Isolation

THERMAL INSULATION

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ADVANTAGES OF CLIMATECH SYSTEM

Another leading system in quality and innovation from Bostik for the protection of energy which is one of the biggest problems in the century; Bostik ClimaTech energy saving technologies.

- Saves up to 50% from energy expenses.
- Environmentally-friendly; reduces CO2 emission.
- An experimented, tested and approved system.
- Flexible system, minimizes the cracks that may occur as a result of building movements.
- Prevents energy losses by eliminating thermal bridges.
- Prevents the corrosion which may occur as a result of condensation by protecting the construction system and lengthens the building life.
- Creates distinctive, new, alternative facade design.
- Protects from heat in summer and cold in winter.
- Creates healthy and comfortable houses free from mould and fungus. Durable, economic and easy-to-apply.
ClimaTech Energy Saving System

1. Substrate
2. Socle profile
3. Thermic-socle profile
4. Adhesive for system
5. Thermal insulation board
6. Plug
7. Corner bead with mesh
8. Reinforced base-coat
9. Reinforcement fiber-mesh
10. Reinforced
11. Base-coat
12. Primer for topcoat decorative
PRODUCT DESCRIPTION
ClimaTech FX 120m is a water and humidity-resistant, high performance, cement-based adhesive mortar with enhanced filling capability that is used in the adhesion of all thermal insulation boards on mineral-based surfaces, advantageous for the user with its long usage life, used in Bostik ClimaTech Energy Saving Systems. With official test certificate, EOTA ETAG 004.

AREAS OF APPLICATIONS
- Both interior and exterior
- On walls and ceilings
- Both vertical and horizontal

FEATURES
- Resistant to frost, water, continuous humidity and heavy weather conditions.
- Plastic consistency, easy to apply.
- Hydraulic bonding quality
- High resistant
- Fireproof

PREPARATION OF THE SUBSTRATE
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould, oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- The floors which require repair should be levelled with self-leveling surface screeds minimum 3-4 days before adhesive application.
- Aerated concrete, gypsum plaster, drywall and anhydrous-based, highly absorbent surfaces should be primed prior to use.

APPLICATION
- Bostik ClimaTech FX 120 System Adhesive in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimal 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used within 30 minutes. If this time is exceeded, the mortar should be scraped off from both surface and plate, fresh adhesive mortar should be replaced.
- Bostik ClimaTech FX 120 System Adhesive is applied on the back side of the thermal insulating plates.
- In applications, frame and three dots method is applied. Minimum 40% of thermal insulating plate should be covered with adhesive mortar.
- In perpendicular and smooth surfaces, surface adhesion can be done by combing.
- It is preferred to cover all the back of the thermal insulating plate with adhesive mortar with a 8mm toothed trowel. During the application, 5 mm space from the plate edges should be left.
- Bostik ClimaTech FX 120 System Adhesive should not be overflowed on the joints between thermal insulating plates. The plates on which adhesive mortar is applied as specified should be adhered on the application surface by pressing carefully.
- Thin gaps which may be up to 2 mm between the plates should be filled with Bostik InsuFoam polyurethane foam and wider gaps with thermal insulating plate itself.
- Thermal insulating plates are recommended to be plugged separately. In multi-storey buildings, the frequency of the plugs should be increased by considering the wind load.
- Plugs can be applied on the thermal insulating plates 24 hours after the application with Bostik ClimaTech FX 120 System Adhesive.

AFTER APPLICATION
In the first days, newly applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.

COVERAGE
App. 4,0 – 4,5 kg/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
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<tr>
<td>Colour</td>
<td>Grey</td>
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<tr>
<td>Applicable Thickness (mm)</td>
<td>20</td>
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<tr>
<td>Dry Unit Volume Weight (kg / lt)</td>
<td>1,5 ± 0,2</td>
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<tr>
<td>Wet Unit Volume Weight (kg / lt)</td>
<td>1,6 ± 0,2</td>
</tr>
<tr>
<td>Pot Life (minute)</td>
<td>60 – 120</td>
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<tr>
<td>Working Time (min)</td>
<td>~ 25</td>
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<tr>
<td>Curing Time (hour)</td>
<td>~ 24</td>
</tr>
<tr>
<td>Compressive Strength (28 days) = (N/mm²)</td>
<td>≥ 6</td>
</tr>
<tr>
<td>Flexural Strength (28 days) = (N/mm²)</td>
<td>≥ 2</td>
</tr>
<tr>
<td>Bonding Strength (28 days) onto thermal insulation boards = (N/mm²)</td>
<td>≥ 0,08 N / mm²</td>
</tr>
<tr>
<td>Bonding Strength (28 days) onto concrete = (N/mm²)</td>
<td>≥ 1 N / mm²</td>
</tr>
<tr>
<td>Mixture water amount (for 25 kg dry mortar)</td>
<td>6,0 - 7,0 lt</td>
</tr>
<tr>
<td>Environment temperature for application</td>
<td>Between +5°C and +35°C</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
</tbody>
</table>

Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%.

PACKAGING
25 kg craft bag, 64 bags in 1 pallet (1600 kg/pallet)

STORAGE
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
**ClimaTech PanoFix**

**Thermal Insulation Board Adhesive**

**PRODUCT DESCRIPTION**
ClimaTech PanoFix is a waterproof and humidity-resistant, cement-based adhesive mortar used in the fixation of all type thermal insulation boards on mineral-based surfaces. It has a system certificate according to TS EN 13499.

**AREAS OF APPLICATIONS**
- Both interior and exterior
- On walls and ceilings
- Both vertical and horizontal

**FEATURES**
- Durable
- Resistant to frost, water, continuous humidity and heavy weather conditions.
- Plastic consistency, easy to apply.
- Hydraulic bonding quality
- High resistant
- Fireproof

**PREPARATION OF THE SUBSTRATE**
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- The floors which require repair should be levelled with self-leveling surface screeds minimum 3-4 days before adhesive application.
- Aerated concrete, gypsum plaster, drywall and anhydrous-based, highly absorbent surfaces should be primed prior to use.

**APPLICATION**
- Bostik ClimaTech PanoFix Thermal Insulation Board Adhesive in powder state should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes.
- The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used within 20 – 25 minutes. If this time is exceeded, the mortar should be scraped off from both surface and plate; fresh adhesive mortar should be replaced.
- Bostik ClimaTech PanoFix Thermal Insulation Board Adhesive is applied on the back side of the thermal insulation plates.
- The plates on which adhesive mortar is applied as specified should be adhered on the application surface by pressing carefully.
- Thin gaps which may be up to 2 mm between the plates should be filled with Bostik InsuFoam polyurethane foam and wider gaps with thermal insulating plate itself.
- Thermal insulation plates are recommended to be plugged separately. In multi-storey buildings, the frequency of the plugs should be increased by considering the wind load.
- Plugs can be applied on the thermal insulating plates 48 hours after the application with Bostik ClimaTech PanoFix Thermal insulation Board Adhesive.

**AFTER APPLICATION**
In the first days, newly applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.

**TECHNICAL DATA**

<table>
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<tr>
<th>Property</th>
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</tr>
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<tbody>
<tr>
<td>Dmax (mm)</td>
<td>1</td>
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<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Max Applicable Thickness (mm)</td>
<td>15</td>
</tr>
<tr>
<td>Dry Density (kg / lt)</td>
<td>1,5 ± 0,2</td>
</tr>
<tr>
<td>Wet Density (kg / lt)</td>
<td>1,6 ± 0,2</td>
</tr>
<tr>
<td>Pot Life (minute)</td>
<td>60 – 120</td>
</tr>
<tr>
<td>Working Time (min)</td>
<td>20 – 25</td>
</tr>
<tr>
<td>Curing Time (hour)</td>
<td>~ 24</td>
</tr>
<tr>
<td>Compressive Strength (28 days)</td>
<td>≥ 8</td>
</tr>
<tr>
<td>Flexural Strength (28 days)</td>
<td>≥ 2</td>
</tr>
<tr>
<td>Bonding Strength (28 days) onto thermal insulation boards = (N/mm²)</td>
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<tr>
<td>Bonding Strength (28 days) onto concrete = (N/mm²)</td>
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<td>Mixture water amount (for 25 kg dry mortar)</td>
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</tr>
<tr>
<td>Ideal temperature for application</td>
<td>Between +5°C and +35°C</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
</tbody>
</table>

**COVERAGE**
App. 4,0 – 5,0 kg/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

**PACKAGING**
25 kg craft bag, 64 bags in 1 pallet (1600 kg/pallet)

**STORAGE**
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stacked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
**PRODUCT DESCRIPTION**
Meister MY is a water-tight, water and humidity-resistant, cement-based adhesive mortar in accordance with TS EN 13566 that is used in the adhesion of EPS and XPS thermal insulation boards on all mineral-based surfaces.

**AREAS OF APPLICATIONS**
- Both interior and exterior
- On walls and ceilings
- Vertically and horizontally

**FEATURES**
- Durable
- Resistant to water, humidity and adverse weather conditions
- Plastic consistency, easy to apply
- Hydraulic bonding quality
- Highly resistant
- Fireproof

**PREPARATION OF THE SUBSTRATE**
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- The floors which require repair should be levelled with self-leveling surface screeds minimum 3–4 days before adhesive application.
- Exposed concrete, gypsum plaster, drywall and anhydrous-based, highly absorptive surfaces should be primed prior to use.

**APPLICATION**
- Meister MY Thermal Insulation Adhesive in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes.
- The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used within 20–25 minutes. If this period is exceeded, the mortar should be stripped off from the surface and the plate; instead fresh adhesive mortar should be used.
- Meister MY Thermal Insulation Adhesive is applied on the back side of the heat insulating plates.
- In applications, frame and three dots method is applied. Minimum 40% of thermal insulating plate should be covered with adhesive mortar.
- In perpendicular and smooth surfaces, surface adhesion can be done by combing.
- It is preferred to cover all the back of the heat insulating plate with adhesive mortar with a 8mm toothed trowel. During the application, 5 mm space from the plate edges should be left.
- Meister MY Thermal Insulation Adhesive should not be overflowed on the joints between heat insulating plates. The boards on which adhesive mortar is applied as specified should be adhered on the application surface by pressing carefully.
- Thin gaps which may be up to 2 mm between the plates should be filled with Bostik InsuFoam Polyurethane Foam and wider gaps with heat insulating plate itself.
- Thermal insulation plates are recommended to be plugged separately. In multi–storey buildings, the frequency of the plugs should be increased by considering the wind load.
- Plugs can be applied on the thermal insulation boards 24 hours after the application with Meister MY Thermal Insulation Adhesive.

**AFTER APPLICATION**
Newly applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.

**COVERAGE**
App. 4,0 – 5,0 kg/m²
The coverage amounts are theoretical and it is recommended to do coverage–controlled sample application before treatment.

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</tr>
<tr>
<td>Flexural Strength (28 days) (N/mm²)</td>
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<td>Bonding Strength (28 days) onto thermal insulation board (N/mm²)</td>
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<td>Bonding Strength (28 days) onto concrete (N/mm²)</td>
</tr>
<tr>
<td>Mixture water amount (for 25 kg dry mortar)</td>
</tr>
<tr>
<td>Environment temperature for application</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
</tr>
</tbody>
</table>

**PACKAGING**
25 kg craft bag, 64 bags in 1 pallet (1600 kg/pallet)

**STORAGE**
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
ClimaTech PL 206 System Plaster

PRODUCT DESCRIPTION
ClimaTech PL 206 System Plaster is mineral-based system plaster used for plastering on any kind of thermal insulation board, ideal for meshed plaster applications, containing polymer additives with high water-repellent qualities, forming a smooth and continuous plaster surface through an easy finishing, and used in cement-based Bostik ClimaTech Energy Saving Systems. It can also be used in the repair of old and worn plastered surfaces. With official test certificate, EOTA ETAG 004.

AREAS OF APPLICATIONS
- Both interior and exterior
- In the meshed plaster applications as a supplementary to heat insulating systems
- In reinforcement of old and worn plastered facades

FEATURES
- Plaster consistency, easy-to-apply.
- Used for preparing a long-lived and secure plastered sub-floor on decorative plasters, all kinds of rough and fine plasters that will be applied afterwards.
- Fireproof.

PREPARATION OF THE SUBSTRATE
The heat insulation plates that will be applied on should be fixed properly and strongly; no gaps should be left between the plates.

APPLICATION
- Bostik ClimaTech PL 206 System Plaster in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used in 30 minutes.
- Bostik ClimaTech PL 206 System Plaster is applied on the surface with a 10mm toothed trowel.
- Before the plaster is dried, a texture is formed on the surface by finishing with a trowel.
- The meshes are buried in the plaster spread surface. On mesh joints, about 10mm of each joint is overlapped (meshes are covered with Bostik ClimaTech PL 206 System Plaster and buried in the plaster surface not to reveal the textures) and the surface is smoothened with a steel trowel.
- Bostik ClimaTech PL 206 System Plaster is applied on maximum 6mm thickness.
- For the repair of old and worn facades, prior to paint application, Bostik ClimaTech PL 206 System Plaster is applied in about 5-6 mm thickness with or without mesh.
- In wide facades, the application should be done continuously and with sufficient workmen.
- In the facade areas where compulsory finish is needed, upper surface of the mesh is left clean and then continued from the joints.
- The materials such as water, dry mortar, etc should not be added in the mixture of dried Bostik ClimaTech PL 206 System Plaster in the container.

AFTER APPLICATION
- Plaster applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost in order to prevent fast and unhealthy drying.
- Any kind of work to be performed on the plastered surface should be applied after the plaster dries completely and the surface of plaster becomes in the most durable state which is 3 – 7 days according to the weather.

COVERAGE
App. 4 – 4,5 kg/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

PACKAGING
In 25 kg craft bags, 64 bags in 1 palette (1600 kg/pallet)

STORAGE
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +5°C and +35°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.

TECHNICAL DATA

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<th>Parameter</th>
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<tr>
<td>Colour</td>
<td>Grey</td>
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<tr>
<td>Applicable thickness (mm)</td>
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<tr>
<td>Dry unit volume weight (kg / lt)</td>
<td>1,5 ± 0,2</td>
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<tr>
<td>Wet unit volume weight (kg / lt)</td>
<td>1,6 ± 0,2</td>
</tr>
<tr>
<td>Pot Life (min)</td>
<td>120 – 180</td>
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<tr>
<td>Working Time (min)</td>
<td>30</td>
</tr>
<tr>
<td>Curing Time (hour)</td>
<td>~ 24</td>
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<tr>
<td>Compressive Strength (28 days) (N / mm²)</td>
<td>≥ 8</td>
</tr>
<tr>
<td>Flexural Strength (28 days) (N / mm²)</td>
<td>≥ 2</td>
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<tr>
<td>Bonding Strength (28 days) (N/mm²)</td>
<td>≥ 0,08</td>
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<td>Mixing Ratio (for 25 kg dry mortar)</td>
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<td>Environment temperature for application</td>
<td>Between +5°C and +35°C</td>
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<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
</tbody>
</table>

It has been classified in compliance with TS EN 1062-1.

Dry film thickness E 5
According to the size of grains S 3
Water vapour transfer speed V 1
Water transfer speed W 1
Crack covering quality A 0
Carbon dioxide permeability C 0

Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%.
**ClimaTech PlanEx**

**Thermal Insulation Board Plaster**

**PRODUCT DESCRIPTION**
ClimaTech PlanEx Thermal Insulation Board Plaster is mineral-based thermal insulation board plaster used for plastering on any kind of thermal insulation board, ideal for embedded-mesh plastering applications, containing polymer additives with high water-repellent qualities, forming a smooth and continuous plaster surface through an easy finishing, and used in Bostik ClimaTech Energy Saving Systems. It can also be used in the repair of old and worn plastered surfaces. It has a system certificate according to TS EN 13499.

**AREAS OF APPLICATIONS**
- Both interior and exterior
- In the embedded-meshed plastering applications as a supplementary to thermal insulation systems
- In reinforcement of old and worn plastered facades

**FEATURES**
- Plaster consistency, easy-to-apply.
- Used for preparing a long-lived and secure plastered sub-floor on decorative plasters, all kinds of rough and fine plasters that will be applied afterwards.
- Fireproof.

**PREPARATION OF THE SUBSTRATE**
The thermal insulation plates that will be applied on should be fixed properly and strongly; no gaps should be left between the plates.

**APPLICATION**
- Bostik ClimaTech PlanEx Thermal Insulation Board Plaster in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used in 30 minutes.
- Bostik ClimaTech PlanEx Thermal Insulation Board Plaster is applied on the surface with a 10mm notched trowel.
- The meshes are buried in the plaster–spread surface. On mesh joints, about 10mm of each joint is overlapped (meshes are covered with Bostik ClimaTech PlanEx Thermal Insulation Board Plaster and buried in the plaster surface not to reveal the textures) and the surface is smoothened with a flat steel trowel.
- Bostik ClimaTech PlanEx Thermal Insulation Board Plaster is applied in maximum 6mm thickness.
- For the repair of old and worn facades, prior to paint application, Bostik ClimaTech PlanEx Thermal Insulation Board Plaster is applied in about 5-6 mm thickness with or without mesh.
- In wide facades, the application should be done continuously and with sufficient workmen.
- In the facet areas where compulsory finish is needed, upper surface of the mesh is left clean and then continued from the joints.
- The materials such as water, dry mortar, etc should not be added in the mixture of dried Bostik ClimaTech PlanEx Thermal Insulation Board Plaster in the container.

**AFTER APPLICATION**
- Plaster applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost in order to prevent fast and unhealthy drying.
- Any kind of work to be performed on the plastered surface should be applied after the plaster dries completely and the surface of plaster becomes in the most durable state which is 3 – 7 days according to the weather.

**COVERAGE**
App. 4 – 4.5 kg/m²

**PACKAGING**
In 25 kg craft bags, 64 bags in 1 palette (1600 kg/pallet)

**STORAGE**
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.

**TECHNICAL DATA**

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<tr>
<td>Max Applicable thickness (mm)</td>
<td>6</td>
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<tr>
<td>Dry density (kg / lt)</td>
<td>1,5 ± 0,2</td>
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<tr>
<td>Wet density (kg / lt)</td>
<td>1,6 ± 0,2</td>
</tr>
<tr>
<td>Pot Life (min)</td>
<td>120 – 180</td>
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<td>Working Time (min)</td>
<td>~ 30</td>
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<td>Curing Time (hour)</td>
<td>~ 24</td>
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<tr>
<td>Compressive Strength (28 days)</td>
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<td>Flexural Strength (28 days)</td>
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<tr>
<td>Bonding Strength (28 days)</td>
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<tr>
<td>Mixing Ratio (for 25 kg dry mortar)</td>
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<tr>
<td>Ideal temperature for application</td>
<td>Between +5°C and +35°C</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
</tbody>
</table>

It has been classified in compliance with TS EN 1062-1.

**Dry film thickness**

- The torn and opened products should be closed immediately and consumed first.
- Maximum B bags should be stocked on each other.
- Shell life is maximum 12 months conditional to complying with the above mentioned storage conditions.
Meister MS

ETICS Plaster

PRODUCT DESCRIPTION
Meister MS is a mineral-based, polymer added, water-repellent, cement-based thermal insulation plaster and produced in accordance with TS EN 13687 that is used to plaster on EPS and XPS thermal insulation board and is ideal for meshed plaster applications in the repairs of old and worn plastered surfaces.

AREAS OF APPLICATIONS
- Both interior and exterior
- On walls and ceilings
- In meshed plaster applications as a supplementary of thermal insulation systems
- In the repairs of old and worn plastered surfaces

FEATURES
- Plaster consistency, easy to apply
- Dries without cracks
- Excellent water vapour permeability as a result of cement-based formulation
- Used for forming a long-lived and safe plastered sub-floor on decorative plasters, all kind of rough and fine plasters to be applied freshly
- Fireproof

PREPARATION OF THE SUBSTRATE
The thermal insulation plates to be applied on should be fixed thoroughly and strongly and there shouldn’t be any gaps between plates.

APPLICATION
- Meister MS Thermal Insulation Plaster in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- Meister MS Thermal Insulation Plaster is applied on the surface with a 10 mm toothed trowel.
- Meshes are buried in the mortar spread surface. Approximately 10 cm is overlapped at the connection points of the meshes (They are covered with Meister MS Thermal Insulation Plaster and buried in the plastered surface completely) and the surface is smoothened with a flat steel trowel.
- Meister MS Thermal Insulation Plaster is applied in max. 5 mm thick.
- In the repair of old and torn surfaces, before the paint application, Meister MS Thermal Insulation Plaster is applied in 6-7mm thick with or without mesh.
- In wide surfaces, application should be carried out with sufficient workmen and without stopping.
- In the areas of façade that require inevitable finish, upper surface of the mesh is left clean and then continued from the seams.
- Water, dry mortar, etc should not be added again in Meister MS Thermal Insulation Plaster mixture that is dried in the container.

AFTER APPLICATION
- Newly applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.
- All kinds of works to be applied on the plastered surface should only be done after the plaster dries completely and the plaster surface becomes in the strongest state which is between 3 – 7 days according to the weather situation.

COVERAGE
4-5 kg/m² for applications in 4-5 mm thick on thermal insulation plates.
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Dmax (mm)</td>
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<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Dry Unit Volume Weight (kg / lt)</td>
<td>1,5 ± 0,2</td>
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<tr>
<td>Wet Unit Volume Weight (kg / lt)</td>
<td>1,6 ± 0,2</td>
</tr>
<tr>
<td>Pot Life (minute)</td>
<td>60 - 120</td>
</tr>
<tr>
<td>Working Time (min)</td>
<td>20 - 25</td>
</tr>
<tr>
<td>Curing Time (hour)</td>
<td>~ 24</td>
</tr>
<tr>
<td>Compressive Strength (28 days)</td>
<td>≥ 8</td>
</tr>
<tr>
<td>Flexural Strength (28 days)</td>
<td>≥ 2</td>
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<tr>
<td>Bonding Strength (28 days)</td>
<td>≥ 0,08</td>
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<tr>
<td>Mixture water amount (for 25 kg dry mortar)</td>
<td>5,5 - 6,0 lt</td>
</tr>
<tr>
<td>Environment temperature for application</td>
<td>Between +5°C and +35°C</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
</tbody>
</table>

According to EN 998-1 class : GP, CS, IV, Wo, A1
Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%.

PACKAGING
25 kg craft bag, 64 bags in 1 pallet (1600 kg/pallet)

STORAGE
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
PRODUCT DESCRIPTION
A thermal insulation board that is made from expanded polystyrene with TS EN 13163.

AREAS OF APPLICATIONS
- Both interior and exterior,
- On facades
- In scope of energy saving systems

FEATURES
- White-coloured
- Very good heat insulation quality
- Excellent water vapour permeability
- Flexible; No inconsistency will happen in the mitre in time
- Resistant to bending and abrasion
- Does not contain harmful gases
- Hardly inflammable

PACKAGING
Please ask

STORAGE
- They should be kept in a cool and airy place
- They should be stored separately from flammable materials, such as solvent and thinner
- They should not be exposed to direct sunlight.

---

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>EPS 70 Class</th>
<th>ClimaTech</th>
<th>Class</th>
<th>Relating Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible density</td>
<td>16 kg/ m³</td>
<td></td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Heat conductance coefficient</td>
<td>0.038 W/mK</td>
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<td>TS EN 13163</td>
</tr>
<tr>
<td>Tensile strength perpendicular to surface</td>
<td>&gt; 150 kPa</td>
<td>TR 100</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Bending strength at 10% deformation</td>
<td>&gt; 80 kPa</td>
<td>CS(10)70</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Bending strength</td>
<td>≥ 125 kPa</td>
<td>BS 115</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Height tolerance</td>
<td>± 3 mm</td>
<td>L2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Width tolerance</td>
<td>± 2 mm</td>
<td>W2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Thickness tolerance</td>
<td>± 1 mm</td>
<td>T2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Mitre tolerance</td>
<td>± 2 mm</td>
<td>S2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Surface flatness</td>
<td>± 5 mm</td>
<td>P4</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Dimensional consistency</td>
<td>± 0.2 %</td>
<td>DS(N)/2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>-23°C, 50% in relative humidity</td>
<td>± 1%</td>
<td>DS(70)/1</td>
<td>TS EN 13163</td>
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<tr>
<td>Long term absorption</td>
<td>&lt; 1%</td>
<td>WL(T)1</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>- One week in total immersion</td>
<td>&lt; 3%</td>
<td>WL(T)3</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>- One year in total immersion</td>
<td>&lt; 0.5 kg/m²</td>
<td>WL(T)3</td>
<td>TS EN 13499</td>
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<tr>
<td>Water vapour diffusion resistance factor</td>
<td>20 – 40</td>
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<td>TS EN 13163</td>
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<td>Fire resistance</td>
<td>Hardly flammable</td>
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<td>DIN 4102</td>
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<td>Usage temperatures</td>
<td>-50°C ile +75°C</td>
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<tr>
<td>Sizes</td>
<td>50 x 100 cm</td>
<td></td>
<td></td>
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<tr>
<td>Thickness</td>
<td>2, 3, 4, 5, 6, 7, 8 cm</td>
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</tr>
<tr>
<td>Edge profile</td>
<td>Flat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PRODUCT DESCRIPTION**
A thermal insulation board with graphite reflector that is made from expanded polystyrene. It provides 20% more heat insulation performance and saving than EPS-F40 in same thickness with its low conductance coefficient (lambda). It is a heat insulation plate with EPS 70 - TS 7316 EN 13163 T2 - L2 - W2 - S2 - P4 - DS(N)2 - DS(70)1 BS115 - CS(10)70 - TR100 - WL(T)3 - E class in accordance with TS EN 13163.

**AREAS OF APPLICATIONS**
- Both interior and exterior
- On facades;
- In scope of energy saving systems

**FEATURES**
- Grey-coloured
- With graphite reflector
- Provides 20% more energy saving
- Very good heat insulation quality
- Excellent water vapour permeability
- Flexible; No inconsistency will happen in the mitre in time
- Resistant to bending and abrasion
- Does not contain harmful gases
- Hardly inflammable

**PACKAGING**
Please ask

**STORAGE**
- They should be kept in a cool and airy place
- They should be stored separately from flammable materials, such as solvent and thinner
- They should not be exposed to direct sunlight.

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>EPS 70 Class</th>
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<th>Class</th>
<th>Relating Standard</th>
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<td>Visible density</td>
<td>16 kg/m³</td>
<td></td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Heat conductance coefficient</td>
<td>0.032 W/mK</td>
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<td>TS EN 13163</td>
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<tr>
<td>Tensile strength perpendicular to surface</td>
<td>&gt; 150 kPa</td>
<td>TR 100</td>
<td>TS EN 13163</td>
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<tr>
<td>Bending strength at %10 deformation</td>
<td>&gt; 70 kPa</td>
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<td>TS EN 13163</td>
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<tr>
<td>Bending strength</td>
<td>≥ 115 kPa</td>
<td>BS 115</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Height tolerance</td>
<td>± 2 mm</td>
<td>L2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Width tolerance</td>
<td>± 2 mm</td>
<td>W2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Thickness tolerance</td>
<td>± 1 mm</td>
<td>T2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Mitre tolerance</td>
<td>± 2 mm</td>
<td>S2</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Surface flatness</td>
<td>± 5 mm</td>
<td>P4</td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Dimensional consistency - 23°C, %50 in relative humidity</td>
<td>± %0,2</td>
<td>DS(N)2</td>
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<td>48 hours, 70°C, %50 in relative humidity</td>
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<td>Long term absorption - One week in total immersion</td>
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<td>WL(T)1</td>
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<tr>
<td>One year in total immersion</td>
<td>&lt; %3</td>
<td>WL(T)3</td>
<td>TS EN 13163</td>
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<tr>
<td>In partly immersion</td>
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</tr>
<tr>
<td>Water vapour diffusion resistance factor</td>
<td>20 – 40</td>
<td></td>
<td>TS EN 13163</td>
</tr>
<tr>
<td>Fire resistance</td>
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<td>DIN 41202</td>
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<td>Usage temperatures</td>
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<tr>
<td>Sizes</td>
<td>50 x 100 cm</td>
<td></td>
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<tr>
<td>Thickness</td>
<td>2, 3, 4, 5, 6, 8, 10 cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edge profile</td>
<td>Flat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
According to the wind load which the applied facade is exposed (km/h), the number of the plugs should be increased within in minimum 1 meter’s and maximum 2 meter’s area from the corner of the building. 6 plugs should be placed per m² in the areas lower than 10 m and the rest of the building. No need to increase the number of plugs. (Please see the scheme above).

6 Pieces / m² (h_{height of building} < 10 mt)

According to the wind load which the applied facade is exposed (km/h), the number of the plugs should be increased within in minimum 1 meter’s and maximum 2 meter’s area from the corner of the building. Plugs should be increased to 8 pcs per m² in the areas higher than 10 m and lower than 25 m. (Please see the scheme above)

6 Pieces / m² (h_{height of building} < 25 mt)

According to the wind load which the applied facade is exposed (km/h), the number of the plugs should be increased within in minimum 1 meter’s and maximum 2 meter’s area from the corner of the building. Plugs should be increased to 10 pcs per m² in the areas higher than 25 m. (Please see the scheme above)

6 Pieces / m² (h_{height of building} < 10 mt)
**ClimaTech Hammared Plug**

**Plastic-Nailed Hammared Plug**

**PRODUCT DESCRIPTION**
A plastic-nailed hammared plug that is used in ClimaTech Energy Saving systems and designed for mechanical installation of EPS – F40 and EPS – F32 heat insulation boards.

**CONSUMPTION**
6 unit/ m²

**PACKAGING**
Minimum order tonnage
- 95 mm - 500 pcs in 1 box
- 115 mm - 500 pcs in 1 box
- 135 mm - 500 pcs in 1 box
- 155 mm - 500 pcs in 1 box

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Minimum anchorage size</th>
<th>&gt; 40</th>
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<tbody>
<tr>
<td>Application areas</td>
<td>Concrete, porous brick</td>
</tr>
<tr>
<td>Diameter of the hole (mm)</td>
<td>8</td>
</tr>
<tr>
<td>Diameter of the plate (mm)</td>
<td>60</td>
</tr>
<tr>
<td>Sleeve</td>
<td>Polyamide</td>
</tr>
</tbody>
</table>

**ClimaTech Hammared Plug**

**Steel-Nailed Hammared Plug**

**PRODUCT DESCRIPTION**
A steel-nailed hammared plug that is used in ClimaTech Energy Saving systems and designed for mechanical installation of EPS – F40 and EPS – F32 heat insulation boards.

**CONSUMPTION**
6 unit/ m²

**PACKAGING**
Minimum order tonnage
- 95 mm - 500 pcs in 1 box
- 115 mm - 500 pcs in 1 box
- 135 mm - 500 pcs in 1 box
- 155 mm - 500 pcs in 1 box

**TECHNICAL DATA**

<table>
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<tr>
<td>Diameter of the plate (mm)</td>
<td>60</td>
</tr>
<tr>
<td>Sleeve</td>
<td>Polyamide</td>
</tr>
</tbody>
</table>

**ClimaTech Hammared Plug**

**Spiked Plastic-Nailed Hammared Plug**

**PRODUCT DESCRIPTION**
A spiked plastic-nailed hammared plug that is used in ClimaTech Energy Saving systems and designed for mechanical installation of EPS – F40 and EPS – F32 heat insulation plates.

**CONSUMPTION**
6 unit/ m²

**PACKAGING**
Minimum order tonnage
- 95 mm - 500 pcs in 1 box
- 115 mm - 500 pcs in 1 box
- 135 mm - 500 pcs in 1 box
- 155 mm - 500 pcs in 1 box

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Minimum anchorage size</th>
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<tbody>
<tr>
<td>Application areas</td>
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<td>Diameter of the plate (mm)</td>
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</tr>
<tr>
<td>Sleeve</td>
<td>Polyamide</td>
</tr>
</tbody>
</table>
**ClimaTech Hammared Plug**

**Spiked Steel-Nailed Hammered Plug**

**PRODUCT DESCRIPTION**
A spiked steel-nailed hammered plug that is used in ClimaTech Energy Saving systems and designed for mechanical installation of EPS – F40, EPS – F32 and mineral wool heat insulation plates.

**CONSUMPTION**
6 unit / m²

**PACKAGING**
- Minimum order tonnage
  - 95 mm - 500 pcs in 1 box
  - 115 mm - 500 pcs in 1 box
  - 135 mm - 500 pcs in 1 box
  - 155 mm - 500 pcs in 1 box

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Minimum anchorage size</th>
<th>&gt; 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application areas</td>
<td>Concrete, porous brick</td>
</tr>
<tr>
<td>Diameter of the hole (mm)</td>
<td>8</td>
</tr>
<tr>
<td>Diameter of the plate (mm)</td>
<td>60</td>
</tr>
<tr>
<td>Sleeve</td>
<td>Polyamide</td>
</tr>
</tbody>
</table>

---

**ClimaTech Aerated-Concrete Plug**

**Plastic Nailed Hammered Plug**

**PRODUCT DESCRIPTION**
Plastic nailed plug for EPS – F40 and EPS – F32 thermal insulation boards that are used in ClimaTech Energy Saving systems special for mechanical installation in only aerated concrete surfaces.

**CONSUMPTION**
6 unit/m²

**PACKAGING**
- 160 mm, 500 pcs in 1 box

**TECHNICAL DATA**

<table>
<thead>
<tr>
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<td>Application areas</td>
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<tr>
<td>Diameter of the hole (mm)</td>
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<td>Diameter of the plate (mm)</td>
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<tr>
<td>Sleeve</td>
<td>Polyamide</td>
</tr>
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</table>

---

**ClimaTech Aerated-Concrete Plug**

**Steel Nailed Hammered Plug**

**PRODUCT DESCRIPTION**
Steel nailed plug for EPS – F40 and EPS – F32 heat insulation boards that are used in ClimaTech Energy Saving Systems special for mechanical installation in only aerated concrete surfaces.

**CONSUMPTION**
6 unit/m²

**PACKAGING**
- 160 mm, 500 pcs in 1 box

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Minimum anchorage size</th>
<th>&gt; 65</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Diameter of the hole (mm)</td>
<td>10</td>
</tr>
<tr>
<td>Diameter of the plate (mm)</td>
<td>60</td>
</tr>
<tr>
<td>Sleeve</td>
<td>Polyamide</td>
</tr>
</tbody>
</table>
ClimaTech Punch

**Areas of Application**
It is used for drilling a hole for plugs prior to the mechanical installation of EPS - F40 and EPS - F32 thermal insulating boards used in ClimaTech Energy Saving Systems. It is used for both drilling holes and punching. It saves labour and time.

**Packaging**
Drill bit + Punch + Mounting Screws + Allen wrench in sets.

ClimaTech Mesh 160

**Product Description**
It is an alkali resistant, glass fibre reinforced mesh that is made from styrol butadiene. It is used for meeting the thermal surface tensions and minimizing the cracks to be formed during the meshed plaster application within Bostik ClimaTech Energy Saving Systems.

**Areas of Applications**
- Interior and exterior
- In the application of meshed plaster layer within Bostik ClimaTech Energy Saving Systems

**Features**
- Alkali resistant
- Resistant to outdoor weather conditions
- Easy to apply
- Produced in accordance with 5.6 and 6.6 test methods of ETAG 004 Application Manual

**Packaging**
50 m² rolls in 100 cm width, 50 m length

**Storage**
- They should be protected from water, frost and adverse weather conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened packages should be closed immediately and consumed first.
- They should be stocked vertically.

**Technical Data**

<table>
<thead>
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<th>Blue</th>
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<tbody>
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<td>Unit weight (gr/m²)</td>
<td>≥ 160</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>2000 N / 50 mm</td>
</tr>
<tr>
<td>Tensile strength after aging</td>
<td>1000 N / 50 mm</td>
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<tr>
<td>Elongation strength after aging</td>
<td>≥ % 50</td>
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<tr>
<td>Meshwork</td>
<td>4 mm x 4,5 mm</td>
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</table>

Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%.
ClimaTech DecoPrim

**ETICS Decorative Render Primer**

**PRODUCT DESCRIPTION**
ClimaTech DecoPrim is an acrylic copolymer-based, ready-to-use, white-coloured façade primer with excellent adhering and covering qualities. It has a system certificate according to TS EN 13499.

**AREAS OF APPLICATIONS**
Both interior and exterior; On all mineral-based sub-floors

**FEATURES**
Prevents dirt and stains; Reduces consumption; Increases adhesion; Extends life of the upper coating; Ensures obtaining more homogenous and constant composition and texture

**COVERAGE**
App. 100 ml/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

**PACKAGING**
In 15 lt plastic buckets

**STORAGE**
They should be protected from frost and adverse air conditions; They should be kept dry and cool above +5°C and protected from direct sunlight; Maximum 3 buckets should be stocked on each other; The opened drum should be closed immediately; the drums that are left open should be disposed; Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Meister DSA

**Decorative Plastering Primer**

**PRODUCT DESCRIPTION**
An acrylic copolymer emulsion-based, transparent white-coloured primer.

**AREAS OF APPLICATIONS**
Used for facades in order to provide water and humidity impermeability through Meister Thermal Insulation Plaster M5 and Meister Decorative Plaster ad reduce the consumption of Meister Decorative Plaster DES especially in highly absorptive surfaces of the buildings.

**FEATURES**
Ready for application; Enhances the protection quality in the surface by penetrating into the surface thoroughly as a result of not containing filling material; Reduces the consumption of Meister Decorative Plaster Des 20 and DES 15 by decreasing the absorcency of the surface; Provides good adhesion of the Decorative Plaster onto Thermal Insulation Plaster by preparing a strong surface; Dries in 1-2 hours, hardens in 24 hours; During the last layer coating applications, quick dry due to adverse weather conditions should be prevented.

**COVERAGE**
App. 150 gr/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

**PACKAGING**
15 lt plastic buckets

**STORAGE**
They should be protected against frost and adverse weather conditions; They should be kept in a dry and cool place at +5°C and shouldn’t be exposed to direct sunlight; Maximum 8 buckets should be stocked on each other; The opened drums should be closed immediately; the drums left open should be disposed; Shelf life is maximum 12 months for unopened packages.
ETICS Decorative Render

PRODUCT DESCRIPTION
Bostik ClimaTech Deco 20S (scratch texture), ClimaTech 20G (grain texture) System Decorative Render is a decorative finishing coating within the Bostik ClimaTech Energy Saving Systems that is cement and mineral-based, white colored, 2 mm thick, homogeneous particle-textured, containing polymer additives. It can be used both indoors and outdoors, providing a surface ready for painting with superior waterproofing qualities. Suitable for EOTA ETAG 004.

AREAS OF APPLICATIONS
- Both interior and exterior
- In ceilings and walls
- On exposed concrete surfaces

FEATURES
- Resistant to water, frost, humidity and adverse weather conditions.
- Flexible and easy-to-apply.
- High adhesive ability; easily adheres on cement-based surfaces including exposed surfaces.
- Provides air flow; stabilizes the humidity rate inside by allowing vaporization.
- Prepares a ready surface for paint.
- Fireproof

PREPARATION OF THE SUBSTRATE
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- The exposed concrete surfaces should be primed prior to application.
- For highly absorbent or polished concrete surfaces, using Bostik ClimaTech DecoPrim Primer is recommended due to adherence bridge.
- Aerated concrete or porous brick surfaces should be primed beforehand.
- Primer is applied in minimum 24 hours after the plaster is dried.

APPLICATION
- Bostik ClimaTech Deco 20S and ClimaTech 20G System Decorative Render in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained.
- Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used in 30 minutes.
- Bostik ClimaTech Deco 20S and ClimaTech Deco 20G System Decorative Render is applied on the surface with a trowel.
- Before the plaster is dried, a texture is formed on the surface by finishing with a trowel.
- After dried, it is painted with solvent-free and suitable façade paint.
- In wide surfaces, application should be carried out with sufficient workmen and without stopping.
- In the areas of façade that require inevitable finish, the application must be done by highlighting the edges with a protective tape.
- During the last layer coating applications, quick dry due to adverse weather conditions should be prevented.

AFTER APPLICATION
- Plaster applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost in order to prevent fast and unhealthy drying.
- To obtain the recommended long term technical performance of the product, after the completion of the all application, the application and/or work should be covered and protected with a suitable coating or covering (paint etc.) as early as possible (depending on the product’s drying time within 3-7 days).

COVERAGE
App. 2.5 – 3.0 kg/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

PACKAGING
In 25 kg craft bags, 64 bags in 1 palette (1600 kg/pallet)

STORAGE
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened products should be closed immediately and consumed first.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dmax (mm)</td>
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<tr>
<td>Colour</td>
<td>White</td>
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<tr>
<td>Applicable thickness (mm)</td>
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<tr>
<td>Dry unit volume weight (kg / lt)</td>
<td>1,6 ± 0,2</td>
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<tr>
<td>Wet unit volume weight (kg / lt)</td>
<td>1,8 ± 0,2</td>
</tr>
<tr>
<td>Pot Life (min)</td>
<td>~ 30</td>
</tr>
<tr>
<td>Working Time (min)</td>
<td>20 – 25</td>
</tr>
<tr>
<td>Curing Time (hour)</td>
<td>~ 24</td>
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<tr>
<td>Compressive Strength (28 days) (N / mm²)</td>
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</tr>
<tr>
<td>Flexural Strength (28 days) (N / mm²)</td>
<td>&gt; 3</td>
</tr>
<tr>
<td>Mixing Ratio (for 25 kg dry mortar)</td>
<td>5.0 – 5.5 lt</td>
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<tr>
<td>Environment temperature for application</td>
<td>Between +5°C and +35°C</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
<tr>
<td>It has been classified in compliance with TS EN 1062-1.</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Property</th>
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<tbody>
<tr>
<td>Dry film thickness</td>
<td>E 5</td>
</tr>
<tr>
<td>According to the size of grains</td>
<td>S 4</td>
</tr>
<tr>
<td>Water vapour transfer speed</td>
<td>V 1</td>
</tr>
<tr>
<td>Water transfer speed</td>
<td>W 2</td>
</tr>
<tr>
<td>Crack covering quality</td>
<td>A 0</td>
</tr>
<tr>
<td>Carbon dioxide permeability</td>
<td>C 0</td>
</tr>
</tbody>
</table>

Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%. The specified figures increase while external environment temperature is decreasing, and declines while run temperature is increasing.

- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
Meister

DES 20

Decorative Topcoat 2,0 mm

PRODUCT DESCRIPTION
Meister DES 20 Decorative Top Coating is a mineral and cement-based, white-colored, 2 mm thick decorative finish coating that contains polymer additives. It can be used indoors and outdoors, and forms a surface ready for painting.

AREAS OF APPLICATIONS
- Both interior and exterior
- On walls and ceilings
- On exposed concrete surfaces

FEATURES
- Resistant to frost, water, humidity and heavy weather conditions
- Easy to apply
- High adhesion quality: adheres on cement-based surfaces including exposed surfaces
- Air permeable, keeps the humidity ratio stable by allowing vaporization
- Forms a ready surface for painting
- Fireproof

PREPARATION OF THE SUBSTRATE
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Exposed concretes should be primed prior to use.
- Using Meister DSA primer is recommended for adherence bridge in very absorbent or polished concrete surfaces.
- A aerated concrete or porous-bricked surfaces should be primed prior to use.
- Application is carried out about 24 hours right after the plaster layer dries.

APPLICATION
- Meister DES 20 Decorative Top Coating in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used within 30 minutes.
- Meister DES 20 Decorative Top Coating is applied on the surface with a trowel.
- Before the plaster layer dries, texture is formed by smoothening with a plastic trowel.
- After drying, it is painted with an optional facade paint that does not contain solvent.
- In wide surfaces, application should be carried out with sufficient workmen and without stopping.
- In the areas of façade that require inevitable finish, the application must be done by highlighting the edges with a protective tape.
- During the last layer coating applications, quick dry due to adverse weather conditions should be prevented.

AFTER APPLICATION
- In order to avoid fast and unhealthy drying, newly applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.
- To obtain the recommended long term technical performance of the product, after the completion of the all application, the application and/or work should be covered and protected with a suitable coating or covering (paint etc..) as early as possible (depending on the product’s drying time within 3-7 days).

COVERAGE
App. 2,5 – 3,0 kg/m²
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

PACKAGING
25 kg craft bag, 64 bags in 1 pallet (1600 kg/pallet)

STORAGE
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.

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<td>Dmax (mm)</td>
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</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Dry Unit Volume Weight (kg / lt)</td>
<td>1,6 ± 0,2</td>
</tr>
<tr>
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</tr>
<tr>
<td>Working Time (min)</td>
<td>20 – 25</td>
</tr>
<tr>
<td>Curing Time (hour)</td>
<td>~ 24</td>
</tr>
<tr>
<td>Compressive Strength (28 days) (N/mm²)</td>
<td>≥ 10</td>
</tr>
<tr>
<td>Flexural Strength (28 days) (N/mm³)</td>
<td>≥ 2</td>
</tr>
<tr>
<td>Mixture water amount (for 25 kg dry mortar)</td>
<td>5,0 – 5,5 lt</td>
</tr>
<tr>
<td>Environment temperature for application</td>
<td>Between +5°C and +35°C</td>
</tr>
<tr>
<td>Resistance of hardened coating</td>
<td>Between -25°C and +80°C</td>
</tr>
</tbody>
</table>

It has been classified in compliance with TS EN 1062-1.

Dry film thickness E 5
According to the size of grains S 4
Water vapour transfer speed V 1
Water transfer speed W 1
Crack covering quality A 0
Carbon dioxide permeability C 0

According to EN 998-1 class : GP, CS, IV, Wo, A1
Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%. The specified figures increase while external environment temperature is decreasing, and declines while run temperature is increasing.

- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
Meister

DES 15

Decorative Topcoat 1,5 mm

PRODUCT DESCRIPTION
Meister DES 15 Decorative Top Coating is a mineral and cement-based, white-colored, 1.5 mm thick decorative finish coating that contains polymer additives. It can be used indoors and outdoors, and forms a surface ready for painting.

AREAS OF APPLICATIONS
- Both interior and exterior
- On walls and ceilings
- On exposed concrete surfaces

FEATURES
- Resistant to frost, water, humidity and heavy weather conditions
- Easy to apply
- High adhesion quality; adheres on cement-based surfaces including exposed surfaces
- Air permeable, keeps the humidity ratio stable by allowing vaporization
- Forms a ready surface for painting
- Fireproof

PREPARATION OF THE SUBSTRATE
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc., residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Exposed concretes should be primed prior to use.
- Using Meister DSA primer is recommended for adherence bridge in very absorbent or polished concrete surfaces.
- Aerated concrete or porous-bricked surfaces should be primed prior to use.
- Application is carried out about 24 hours right after the plaster layer dries.

APPLICATION
- Meister DES 15 Decorative Top Coating in powder form should be mixed in low cycle after pouring into a container filled with some clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 2 minutes until it becomes homogenous.
- The fresh mortar should be used within 30 minutes.
- Meister DES 15 Decorative Top Coating is applied on the surface with a trowel.
- Before the plaster layer dries, texture is formed by smoothening with a plastic trowel.
- After drying, it is painted with an optional facade paint that does not contain solvent.
- In wide surfaces, application should be carried out with sufficient workmen and without stopping.
- During the last layer coating applications, quick dry due to adverse weather conditions should be prevented.

AFTER APPLICATION
- In order to avoid fast and unhealthy drying, newly applied surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.
- To obtain the recommended long term technical performance of the product, after the completion of the all application, the application and/or work should be covered and protected with a suitable coating or covering (paint etc...) as early as possible (depending on the product’s drying time within 3-7 days).

COVERAGE
App. 2,0 – 2,5 kg/m²

PACKAGING
25 kg craft bag, 64 bags in 1 pallet (1600 kg/pallet)

STORAGE
- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.

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<tr>
<td>Colour</td>
<td>White</td>
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<tr>
<td>Dry Unit Volume Weight (kg / lt)</td>
<td>1,5 ± 0,2</td>
</tr>
<tr>
<td>Wet Unit Volume Weight (kg / lt)</td>
<td>1,7 ± 0,2</td>
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<tr>
<td>Compressive Strength (28 days) (N/mm²)</td>
<td>≥ 10</td>
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<td>A 0</td>
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<td>Carbon dioxide permeability</td>
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According to EN 998-1 class : GP, CS, IV, Wo, A1
Technical data are approximately provided according to a temperature of +23°C and a relative humidity of 50%. The specified figures increase while external environment temperature is decreasing, and declines while run temperature is increasing.

- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned storage conditions.
**Socle Profile**

**Aluminium Socle Profile**

**Description**
A Socle profile with edging that is made from aluminium (0,6 mm thickness). It increases the stability of the energy saving system to be installed on and provides a smooth, proper, perpendicular and mitre accurate application. Installing with the mounting kit is recommended.

**Alternative Thicknesses**
33 mm, 43 mm, 53 mm, 63 mm, 83 mm, 103 mm

**Packaging**
2,5 m length, 10 pcs, 25 m / package

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**Mountage Kit for Socle Profile**

**Mountage Kit for Socle Profile**

**Description**
It is a set containing the wedge and mounting screws that are used for mounting socle profiles in-house and properly.

**Packaging**
50 pcs 5mm wedge
50 pcs 3 mm wedge
100 pcs mounting screw, in set.

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**AluKonsol**

**Aluminium Console Profile - Unmeshed**

**Description**
A console profile without mesh with a drip falling edge that is made from aluminium (0,40mm main thickness, 50mm tape width). It prevents the blistering in balconies, eaves and consoles due to rain.

**Packaging**
2,5 m length, 20 pcs, 50 m / package

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**PVCKonsol**

**PVC Console Profile - Meshed**

**Description**
A console profile with mesh with a drip falling edge that is made from PVC (23 mm x 23 mm meshed). It prevents the blistering in balconies, eaves and consoles due to rain.

**Packaging**
2,5 m length, 10 pcs, 25 m / package
**Alu 90**
Aluminium Corner Profile – Unmeshed 90°

**DESCRIPTION**
A fish-skin 90° corner profile without mesh that is made from aluminium (0,40 mm main thickness, 25 mm x 25 mm wingspan).

**PACKAGING**
2,5 m length, 50 pcs, 125 m / package

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**AluMesh 90**
Aluminium Corner Profile – Meshed 90°

**DESCRIPTION**
A 90° corner profile with mesh that is made from aluminium (0,40 mm main thickness, 10 cm x 15 cm mashed).

**PACKAGING**
2,5 m length, 25 pcs, 62,5 m / package

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**PVCMesh 90**
PVC Corner Profile – Meshed 90°

**DESCRIPTION**
A 90° corner profile with mesh that is made from PVC (10 cm x 15 cm mashed).

**PACKAGING**
2,5 m length, 50 pcs, 125 m / package