HYTEC E736 TURBO

FAST CURING DAMP PROOF MEMBRANE

KEY BENEFITS

- Can be **used on saturated, non-running wet surfaces**
- **Fast curing:** can be coated with primer GRIP A936 XPRESS 4 hours after application.*
- **Lower Consumption**: a homogeneous layer applied in 500 to 600 g/m², guaranteeing its effectiveness regardless of the humidity level of the substrate (up to 100%)
- **Covering:** Direct adhesion of solid or engineered parquet directly over the sanded barrier. Direct adhesion of engineered parquet over the primer GRIP A936 XPRESS. Third-party lab tested and approved by “FCBA”
- **Adhesion:** ensures a very solid bond, at least equivalent to the cohesion of the treated substrate
- **Very low VOC emissions, EC1+, Solvent Free**

APPLICATIONS

DESCRIPTION

Fast Curing 2K epoxy resin for damp proofing concrete, cement screeds and old tiles prior to laying hard floor coverings, decorative finishes or soft floor coverings.
HYTEC E736 TURBO can be coated with BOSTIK S409 sand by broadcasting directly over the wet resin or can be covered after curing with BOSTIK primer GRIP A936 XPRESS. **One day protection solution!**

DESTINATION

HYTEC E736 TURBO forms a barrier against the risk of rising damp or abnormal residual moisture on cementitious substrates and protect your flooring system installation.

Approved Surfaces: new and renovation

- Concrete / Cement Screeds
- Helicopter surfaced concrete
- Precast concrete
- Old cement-based substrates
- Old tiles, terracotta tiles on cement base
- Metal

Other materials: contact your local BOSTIK Representative.

TECHNICAL DATA

➢ **Composition / colour**	2-component epoxy resin / hardener
➢ **Mixing ratio**	Pre-measured Part A/B
➢ **Texture**	Medium viscosity
➢ **Application temperature**	+10° C à + 25° C
➢ **Pot life**	10 °C : 50-60 min 20 °C: 40-50 min 25 °C : 20-25 min
➢ **Drying time (2)**	A 10°C : 6 hours A 20°C : 4 hours A 25°C : 3 hours
➢ **Consumption**	500 to 600 g/m²

* These times are determined at +20° C and 50% relative humidity.

Associated coverings:

- Vinyl flooring
- Parquet flooring
- Linoleum
- Rubber
- Carpets
- Glued tiles

MECHANICAL CHARACTERISTICS

Resin after 7 days curing at 20°C

DURETE	Shore D	75
TRACTION	Breaking strength Elongation at break Modulus of elasticity	27 ± 5 MPa 0,7 ± 0,2 % 4200 ±400 MPa
COMPRESSION	Breaking strength Strain at max stress Modulus of elasticity	91,5 ± 2.5 MPa 3.8 ± 0,2 % 4500± 500 MPa
FLEXION	Maximum strength Modulus of elasticity Max. deflection	52 ± 2 MPa 6150 ± 200 MPa 11. 6 ± 0,2 mm
ADHERENCE	On dry concrete On wet concrete	2.5 MPa (*) 2.0 MPa (*)

(*) Concrete failure

IMPLEMENTATION

SUBSTRATE PREPARATION

In accordance with the provisions of the professional rules in force, new or old concrete substrates must be clean, sound, solid and free of all poorly adhering parts.

Subfloor must be **at least 3 weeks old**.

Eliminate all traces of laitance, curing products, dirt, residues of mortar adhesive or floor levelling or products that may affect adhesion (oils, greases, etc.) by all appropriate mechanical methods means such as shot blasting, sand blasting or planning and carefully remove dust by vacuuming.

The surface of the substrate must not be soft or run off and there must be no risk of hydrostatic back pressure during the application and curing phase of the resin. **Perform the last visual inspection on the entire surface to make sure there is no standing water, related to water pressure (Osmosis effect**)

Renovation surfaces such as tiles or terracotta tiles, provided that more than 90% of the surface is perfectly adherent, must be washed, rinsed and then dried. The surface of the tiles must be sanded with a fine mesh beforehand to open the pores to increase the adhesion of the resin.

Metal surfaces should be sanded or blasted and then degreased with a solvent (such as methyl ethyl ketone). Ensure the surface is well washed, dried and clean prior to the installation.

PREPARATION OF THE MIXTURE

Open the kits and lightly stir the hardener part, which is black in colour, for 1 minute using a low speed mixer. Then pour the entire resin (clear in color) into the hardener. Mix carefully (use an electric mixer at a slow speed of no more than 250 rpm) using the recommended mixing paddle Collomix LX until a homogeneous mixture is obtained.

In winter, the resin kits should be stored in a room with a minimum temperature of 15°C.

Clean stains and tools after use, before curing, with hot soapy water or with solvents such as methyl ethyl ketone.

APPLICATION:

Concrete support :
Pour the homogenous mixture on the subfloor.
HYTEC E736 TURBO requires a one coat application leaving approximately 500 to 600 g/m² using B2 spatula. Note that consumption may vary depending on the roughness of the substrate.
It is extremely recommended to smooth the fresh film surface with a short hair roller to eliminate any air pockets on the surface. Wearing your spike shoes, roll over the wet resin following one single direction. Do not make any pressure and do not wait until the epoxy has fully cured. This process is recommended prior to the application of either **GRIP A936 XPRESS** or the sanding process.

Metal support :
Once substrate has been properly prepared. Apply **HYTEC E736 TURBO** with a velour roller at a rate of 250 g/m². Ensure that the entire substrate has been covered with one continuous film.

Water Pipe-Heating Systems
Water-pipe heating systems must be fully tested prior to the epoxy primer installation. Once all lines have gone thru the testing cycle, the system must be switch off a minimum of 48 hours prior to the **HYTEC E736 TURBO** application.

TWO FINISHING POSSIBILITIES:
IN COMBINATION WITH PRIMER GRIP A936 XPRESS
Once **HYTEC E736 TURBO** has cured (approx. 4-5 hrs after application). Apply the sanded primer GRIP A936 XPRESS using a lacquer or short hair roller. GRIP A936 XPRESS is a special formulated primer designed to provide the needed adhesion over dense substrates. GRIP A936 XPRESS must be applied at a rate of 100 to 120 g/m². If **HYTEC E736 TURBO** has been covered for more than 48 hours, consult your local BOSTIK rep prior to the application**. DO NOT APPLY PRIMER GRIP A936 XTREM.**

IN COMBINATION WITH SAND BOSTIK S409
Allow 10-15 minutes of drying time before broadcasting the dry quartz sand BOSTIK S409 evenly at a rate of approx. 3 kg/m². The surface of the sand must retain its original color. This visual marker allows the necessary consumption to be adjusted. Wearing the appropriate spike shoes, walk into the last part of the room and broadcast the BOSTIK S409 sand in excess making your way towards the exit. Always broadcast the sand in excess in order to fully covered all areas, edges and corners. To remove the sand 4-5 hrs after application, use a broom to collect as much sand as possible and remove left over using an industrial hoover. The remaining sand must be perfectly adherent and embedded in the **HYTEC E736 TURBO**.

POLYMERIZATION AND DRYING
HYTEC E736 TURBO is a fast setting epoxy. Allow to cure for 4 hours (at 20°C) before covering with GRIP A936 or removing the loose sand. **Do not let the epoxy damp proof membrane uncover for more than 48 hours.** In case this occurs, contact your local BOSTIK REP before covering.

COVERING:

Once cured and after the substrate has been properly prepared with either:

- **GRIP A936 XPRESS**: Allow to cure for 1-2 hrs prior to the installation of WOOD adhesive or appropriate self-levelling compound.
- **BOSTIK S409 Sand**: Vacuum the sand after final curing and ensure the entire floor is level without any thick bumps. Once substrate has been cleaned, continue with the WOOD adhesive or appropriate self-levelling compound.

FINISHING METHODS:
Once the substrate is ready, you have two finishing possibilities:

1. **WOOD ADHESIVE**: Apply the appropriate BOSTIK WOOD Adhesive directly over the GRIP PRIMER (for engineered parquet installation only) or BOSTIK S409 Sand.
2. **SELF LEVELLING**: Apply the appropriate BOSTIK self-levelling compound based on the traffic, curing time and thickness requirements needed directly over the GRIP PRIMER or BOSTIK S409 Sand.

CONSUMPTION:

HYTEC E736 TURBO: 500 to 600 g/m² (depending on the roughness of the substrate).
BOSTIK SAND S409: approx. 3 kg/m² (to get full coverage during broadcasting)
GRIP A936 XPRESS: 100 to 120 g/m².

CONSERVATION:

24 months maximum in unopened packaging. Must be stored in temperatures between + 5°C and + 30°C.

CLEANING:

Clean stains and tools after use, before curing, with hot soapy water or with solvents such as methyl ethyl ketone.

Further remarks: Used packaging and resin residues must be disposed of in a specialized landfill (incineration).

PACKAGING:

HYTEC E736 TURBO	Gencod	Format	Pallet
30623837	3549212491314	Kit 6kg	50
30623389	3549212490867	Kit 18kg	16
Related products			
30615707 **GRIP A936 XPRESS**	3549212484866	Bucket 7 kg	64
30615708 **GRIP A936 XPRESS**	3549212484873	Bucket 20 kg	32
30123600 **Sable S409**	3549210018971	Bucket 25 kg	48 * 25
Related products			
30081421 **Spatule N°3 – B2**	Par 12	500 à 600 g / m²	

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SECURITE
For more details, see the safety data sheet on the https://bostiksds.thewercs.com/
or send us an email request TECHNIQUE-PRO@bostik.com

The recommendations for use are defined in relation to average standards of use. They must be respected but do not exempt prior testing, particularly in the case of first-time use and/or particular constraints of the substrate, the site or the environment. Consult our safety data sheets for precautions for use.

BOSTIK SERVICE TECHNIQUE

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