



Ardacolor Xtrem Easy

COLOURED EPOXY-JOINT SEALER

TECHNICAL DATA SHEET

SMART PRODUCT BENEFIT

- For walls and floors
- Resistant to chemicals
- Also for bonding
- For indoor, outdoor, underwater applications

PRODUCT INFORMATION

ARDACOLOR XTREM EASY is a highly chemically and mechanically-resilient joint sealant for ceramic wall and floor tiles, glass, porcelain mosaic and acid clinker. It can also be used as an adhesive particularly if colour uniformity between adhesive and joint sealant is important (e.g. in case of glass, porcelain and miniature mosaics). After curing, Ardacolor Xtrem Easy is resistant to a number of chemicals, concrete-aggressive water, aggressive cleaning agents, hot steam and water erosion. Because it cures free from cracks, it forms a tight joint; with this it protects also water-sensitive substrates like gypsum boards and chip boards as they are used in the living area and as kitchen work tops or desk tops. A properly performed joint is nearly resistant to dirt deposits and can be cleaned easily and therefore it is hygienic. Ardacolor Xtrem Easy consists of: Component A – paste-like, epoxy-resin based mass
Component B – paste-like hardener Specific weight of the mixture: approx. 1.6 g/ml

Ardacolor Xtrem Easy is approved according to DIN 13888 - RG and DIN 12004- R2T.

FIELDS OF APPLICATION

Showers, swimming pools, baths, sanitary facilities, hospitals, canteen kitchens, businesses in the food and drinks industry, breweries, dairies, businesses in the paper, leather, textiles and chemical industry, water processing installations, battery charging rooms, galvanizing shops, kitchen worktops, laboratories. Suitable for contact with foodstuffs in accordance with recommendation XL (47th notification) of the Plastics Commission of the Federal Health Authority.

PROCESSING

Horizontal and vertical joints can be pointed up to an approximate width of 1.5 - 12 mm. The temperature of the surface to be jointed shall not be below + 10 °C. It is also required not to work on surfaces that, for instance, have been heated up strongly due to sun radiation. If Ardacolor Xtrem Easy is used as adhesive, make sure that the temperatures of ambient air, substrate and tile material are not below + 15 °C and after bonding, it may not drop below + 12 °C for 48 hours.



PREPARATION OF MIXTURE

The best application properties are provided by the material at approx. + 20 °C. At lower temperatures, the mass should be heated up before mixing, if necessary; at high temperatures we recommend cooling Ardacolor Xtrem Easy in a water bath. After the hardener has completely been put in the bucket containing component A, mix it using a drilling machine and mixing screw to obtain a fully homogenous mixture; agitation time is at least 3 minutes. The mixed material must be processed and washed away from the tile surfaces within a certain time. The pot life depends on the temperature; at + 20 °C it is approx. 50 minutes, at + 30 °C approx. 40 minutes. If partial quantities shall be processed, the components A and B must be exactly dosed. The mixing ratio to be met strictly is:

3 parts by weight of A : 1 part by weight of B.

It can be applied by the grout floating method. For processing with an air gun we recommend using the product range type Ardacolor Xtrem Easy P.

GROUT FLOATING METHOD

The mixture is put into the clean and dry joints in a way that they are fully filled. Then, the excess material is removed from the tile surface by screeding in diagonal direction using a trowel. For extremely wide joints on the wall, the stability can be set with Ardacolor Mix, if necessary.

POINTING WITH COMPRESSED AIR SPRAY GUN

For processing with air guns, Ardacolor Xtrem Easy P is filled into a special cylindrical canister. A pressure plate in the canister is then actuated to fill the air gun. The application of Ardacolor Xtrem Easy with the compressed air spray gun requires a compressor with an output of at least 10 bar and a suction capacity of 140 - 160 l/min.

WASHING

After the excess material has been screeded using a plastic trowel, the residual joint material on the surface is emulsified with as few water as possible. For this purpose, the Spezial-Pad WCPW or WCPB with holder WDB offered

in our range of accessories will be suitable. Then the arising slurry can be soaked up using a soft sponge, e.g. viscous sponge. After that, it is strictly required to clean the tile surfaces again using a clean, soft sponge while the sponge is well and often washed in clean water. This cleaning procedure should only take place after Ardacolor Xtrem Easy has set a bit. Depending on the object temperature, this waiting time is 1-5 hours. Especially for unglazed tiles and tiles with eggshell glaze, residues have to be removed completely before curing. Later it will not be possible to remove these residues completely. We recommend checking the surfaces for cleanliness after drying. On glazed surfaces, it will be possible to remove a veil by wiping away with spirit within 6 hours. With hot water it will be easier to wash it away.

SPECIAL HINTS FOR RESTORING DAMAGED OR WASHED OUT CEMENT JOINTS

The high demands on durability can only be met when

- The material is inserted in the joint with a layer thickness of at least 2-3 mm,
- Ardacolor Xtrem Easy directly adheres to the tile flank.

Therefore, the following preparing works are required for a successful joint restoration:

- Rake out, chase out or mill out the joint to a depth of 2-3 mm.
- Remove mortar residues from the tile flank.
- Thoroughly clean the joints using decalcifying or de greasing cleaning agents. (Grease residues are particularly dangerous because they act like a separating layer and prevent the material from adhering.)
- Dry the joints; use compressed air or hot air, if necessary.

Remark: During the preparation works it should be checked if the tiles are still tight. Individual, loose tiles can be glued on again using Ardacolor Xtrem Easy. If larger areas are loose, penetration could have taken place under the tiles, e.g. by grease. This requires the complete renewal of the covering.

HEALTH AND SAFETY AT WORK

Ardacolor Xtrem Easy includes epoxy resin and aminic curing agent. It may cause sensitization in case of skin contact. In case of skin contact, immediately wash with a lot of water and soap. Wear suitable protective gloves and protective glasses. Please observe the hazard notes and safety advice on the containers and in the safety data sheets as well as the instructions "Epoxy resin in the building industry", available at: Industrieverband Klebstoffe. V., P.O. box 23 01 69, 40087 Düsseldorf.

These instructions reflect the extent of our current knowledge and are the result of extensive testing and practical experience. In view of the multiplicity of the possible applications and storage and processing factors over which we have no control, we cannot guarantee good results in each individual case. We recommend you test the product first before final application. Slight discolouration of sealants can occur under UV-radiation. Slight colour differences between the batches are possible through the production process. No liability can be accepted for absolute colour fidelity. Use material of the same charge-number for a building object. Our technical and commercial advisory service will be pleased to answer your queries.

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CONSUMPTION

The material usage can be calculated using the following formula:

Joint depth (mm) x Joint width (mm) x Total joint length per m² (m) x Specific weight (1.6) = approx. Consumption in g/m².

TOOL CLEANING

The used tools can easily be cleaned with water before the joint sealant has been cured.

STORAGE

Ardacolor Xtrem Easy is neither inflammable no frost-sensitive and can be stored in the not-opened original packages for at least 12 months.

DELIVERY FORM

Types suitable for grout floating:

- Item-No. 30606760 5-kg-bucket, beige (842)
- Item-No. 30606754 5-kg-bucket, medium grey (843)
- Item-No. 30606753 5-kg-bucket, old white (845)
- Item-No. 30606757 5-kg-bucket, anthracite (846)
- Item-No. 30606752 5-kg-bucket, silver grey (849)

Types ready for spraying:

- Item-No. 30822142 5-kg-canister, medium grey (P-843)

COMMENTS

In case unglazed ceramics are used, check by testing if the surfaces can be cleaned to be free from residues.

TECHNICAL SPECIFICATIONS AND DATA	
Pressure resistance	60 N/mm ²
Shear strength	14 N/mm ² (steel/steel)
Adhesive tensile strength	25 N/mm ² (stoneware/stoneware)
E-module	4200 N/mm ² (determined in the bending test)
Specific weight	approx. 1.6 g/ml
Curing time	Can be walked on: after 16 hours at + 20 °C Fully load-bearing: after approx. 7 days at + 20 °C after approx. 14 days at 10 °C
GISCODE	RE 1



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