

CRYST TILE ADHESIVE HD®

Article-No.: 07600

HEAVY-DUTY TILE ADHESIVE FOR INDOOR AND OUTDOOR APPLICATIONS.

DESCRIPTION

CRYST TILE ADHESIVE HD® is a waterproofing ready-to-use, high-performance, and heavy-duty tile adhesive for permanent fixing inside and outside buildings with superior vertical anti-slip. CRYST TILE ADHESIVE HD® is highly-deformable and has excellent flexibility for marble, porcelain, ceramic tiles, and stone material on wall and floor tiles. is designed to be applied on a variety of substrates such as concrete, render, brickwork, blockwork, gyprock, plasterboard, and fiber cement surfaces. CRYST TILE ADHESIVE HD® is ideally suited for tiles in swimming pools and wet areas such as showers, bathrooms, kitchens, etc.

FEATURE AND BENEFITS

- Environmentally friendly.
- All common substrates and tile-on-tile applications.
- High adhesive bond strength that suitable for larger and heavy tiles.
- Excellent flexibility.
- Water resistant and exceptional performance.
- Easy to use that just add water on site.
- Good vertical Slip application.
- Extended open time.
- All types of tiles: Marble, porcelain, ceramic, stone, granite and tiling corridors.
- Inside and outside building.
- Suitable to fix tiles on various substrates including low porosity substrates such as: Heated floors, Existing tiles, power floated concrete, Concrete, screed, Lightweight blocks, stone, walls, cementitious plaster and renders, gypsum board.

FIELD OF APPLICATION

- Suitable for critical applications such as swimming pools, wet areas, cold storage depots, modular manufacture, showers, bathrooms and domestic kitchens.
- Roofs, stairs, rooms, balconies, terraces, parking, paboratories, hospitals, and heated floors, canteens, etc.
- For indoor and outdoor use.

MATERIAL PROPERTIES

Form:	powder
Apperance:	grey/ white
Bulk Density:	approx.1.5 g/cm ³
Application temperature :	+8°C up to +40°C

TECHNICAL DATA

Bond strength according to EN 1348:	2.25 N/mm ²
Vertical slip:	≤ 0.5 mm
Processing time:	approx. 30 minutes, depend on temperature
Pot life (30°C):	approx. 2-3 hours, depend on temperature
Set to light foot traffic:	24 hours
Temperature resistance:	-30°C to 85°C

DIRECTION FOR USE

Surface preparation:

All surface to be patched, repaired or sealed with CRYST TILE ADHESIVE HD® must be solid, stable, and clean from adhesion inhibiting substances such as separating agents, dust, oil, grease, gypsum or bitumen must be removed before the application.

Product mixing:

Depending on the desired consistency, place the precisely measured amount of clean water approx. (4.5 – 5 liters of clean water for 20 kg bag into a clean mixing bucket and whilst continuously mechanically stirring mixing drill, CRYST TILE ADHESIVE HD® should be added slowly to clean water and mixed thoroughly until a slump-free, and homogenous mass is achieved. The mixing time is approx. 2–3 minutes. Leave for 2 min. and then mix again. Mix only as much material as can be used within 30 minutes. Application of the CRYST TILE ADHESIVE HD® is carried out to the technical regulations for plastering.

Application:

After be sure that the surface is clean apply the CRYST TILE ADHESIVE HD® on the substrate using a notched trowel. Use a trowel with a notch size which guarantees complete buttering of the back of the tile. To guarantee a good bond, apply a thin layer of CRYST TILE ADHESIVE HD® on the substrate using the smooth side of the trowel, and then immediately apply a further layer of CRYST TILE ADHESIVE HD® to the thickness required using a suitable trowel, according to the type and size of the tiles. if the back faces of tile are particularly dusty, dip them into clean water. Ensure they are wet or dry before fixing. We recommend that the adhesive is also spread with the suitable notched trowel on the backs of the tiles to guarantee there are no gaps to avoid the risk of fracture when in service.

NOTE:

- New concrete must be cured for at least 28 days and renders cured for at least 1 week for each centimetre of thickness..
- DO NOT the Application at temperatures below 8°C, to a frozen substrate or if temperatures will drop below freezing during the curing period (approximately 24 hours).
- Expansion joints, joints at the corners of walls and floor and around sanitary equipment shall be filled with CRYST TILE ADHESIVE HD®.
- Store in a dry environment.
- For more detailed instructions, or information concerning the compatibility of the CRYSTARM® application contact the CRYSTARM® Technical Department or your local CRYSTARM® representative.

Application rates:

With Notched trowel smooth surface 2-2.5 kg/m².

RECOMMENDED TOOLS

Trowel, spatula, gloves, and safety glasses, stirring mixing machine.

PACKAGING

CRYST TILE ADHESIVE HD® is available in 20 kg bags

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

STORAGE & SHELF LIFE

Keep CRYSTARM products must be stored dry and at a temperature of no less than 45°F (7°C). one year is the maximum shelf life when stored under proper conditions in original unopened packaging

TECHNICAL SERVICES

For more detailed instructions, alternative application methods, or information concerning the compatibility of the CRYSTARM® treatment with other products or technologies, contact the CRYSTARM® Technical Department or your local CRYSTARM® representative.

SAFETY HANDLING

CRYST TILE ADHESIVE HD® is made of Portland cement and silica sand may irritate your eyes and skin. Take adequate precautions, such as wearing protective gloves and using breathing apparatus if applied in enclosed environments. If contact is made, flush areas with lots of water. For further information please refer to Safety Data Sheet. **KEEP OUT OF REACH OF CHILDREN.**

CRYSTARM®

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WARRANTY: The Manufacturer warrants that the products manufactured by it conform to the formulation standards contained in all components in their proper proportion and are free from material defects. If any of the products are found to be defective the subsequent liability to The Manufacturer shall be limited only to the replacement of the product proven to be defective and shall not be liable for any other claim or for incidental or any consequential damages that may arise directly or indirectly with the said defective product. The user shall determine the suitability of the product for its intended use and the user assumes all liability in connection therein and the manufacturer shall not be liable save for terms of this warranty.