

# CRYST ADHESIVE HD®

Article-No.: 07000

## HEAVY DUTY ADHESIVE & SEALANT

### DESCRIPTION

CRYST ADHESIVE HD® is a one-component, high-grade adhesive and sealant that instantly bonds, fixes, and seals a wide variety of heavy building materials inside and outside buildings. It is weather and aging-resistant, waterproof, Eco-friendly, Solvent-free, water-based, Over-paintable, and low shrinkage.

### FEATURE AND BENEFITS

- Excellent primerless adhesion to numerous porous and nonporous substrates.
- Heavy-Duty adhesive and high initial tack.
- Interior and exterior application.
- Anti-bacterial and anti-fungal for sanitary ware.
- Wet area Sealant and Works on wet surfaces.
- Flexible bonding, fast curing, gap-bridging, sound and vibration damping, correctable for a few minutes, and Moisture-reactive curing.

### FIELD OF APPLICATION

- Sealing and bonding of multiple absorbent and non-absorbent substrates compatible including natural stone, ceramic, concrete, metal, hardboard, plasterboard, plywood, MDF, wood, UPVC, glass, plastics, painted surfaces, Mirrors etc.
- Filling and connecting joints between tiles, ceramic, porcelain, and sanitary ware.

### MATERIAL PROPERTIES

Form:	Paste
Appearance:	white
Density:	approx. 1,6 - 1,7 g/cm <sup>3</sup>
Application temperature:	+5°C up to +40°C
Tack Free:	15-20 min
Curing Rate:	Approx. 2,5 mm/ 24 hr (23°C and %50 R.H.)
E100 Modulus:	~ 2 N/mm <sup>2</sup>
Elongation at Break %:	≥ % 110
Tensile Strength:	2,25 N/mm <sup>2</sup>
Gap bridging capacity:	Up to 20 mm
Volume Loss:	< %3 (23°C and %50 R.H.)

### DIRECTION FOR USE

#### Surface preparation:

The surface that will be in contact with the CRYST ADHESIVE MP® must be clean and free of dust, grease or oil. Remove any contaminants likely to impair adhesion. Before application, mask off the adjacent area with foil or tape, if necessary. Check paint or coatings are firmly attached, if not remove it.

#### Application:

- Place cartridge into gun and Cut off tip of the cartridge above the screw thread.
- Depending on the substrates, apply CRYST ADHESIVE HD® uniformly over the full surface area using either line or spot application. Apply in wave strands for higher initial tack with wide surfaces or in straight strands for smaller surfaces. In case of outdoor use, apply vertical beads.
- Release gun after appliance to stop the adhesive from flowing.

**Note:**

Adhesives must not form continuous areas as contact with air is necessary for adhesive curing. Put the two surfaces together, correct if necessary, and press thoroughly. Make sure the adhesive tracks do not merge.

**PACKAGING**

CRYST ADHESIVE HD® is available in 300 ml cartridge.

**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 between (7°C) and (35°C). 15 months is the maximum shelf life when stored under proper conditions in original unopened packaging. Storage at higher temperatures will reduce the shelf life.

**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 ADHESIVE HD® are generally quite harmless to handle provided that certain precautions are normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. Take adequate precautions, such as wearing protective gloves will normally be necessary; likewise, the use of eye protection. The skin should be thoroughly cleaned at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. 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.