

C2ETS2 Smooth White Powder Mastic Tile Adhesive

DESCRIPTION

ADH-41 is a white, smooth, flexible, polymer modified, powder mastic tile adhesive with superior hanging properties. Recommended for internal wall and floor tile applications. **ADH-41** white colour is particularly suitable when a white adhesive is required. This makes it suitable for smaller wall tiles including mosaic tiles, glass mosaics and light coloured marble and natural stone tiles.

ADH-41 can also be used to grout in glass mosaics.

FEATURES & BENEFITS

- ◇ **C2** – High Adhesion Strength
- ◇ **E**- Extended Open Time
- ◇ **T**- Non Slip/Non Slump
- ◇ **S2**- Highly Deformable Adhesive
- ◇ Infused Primer Technology
- ◇ Smooth Consistency
- ◇ White in Colour
- ◇ <0.7mm Crack Bridging Capability
- ◇ Superior hanging properties
- ◇ Same coverage as pre-mixed mastic
- ◇ Much more economical

SUITABLE FOR

- ◇ Ceramic & Glass Mosaics
- ◇ Natural Stone & Marble
- ◇ Porcelain Tiles
- ◇ Grouting glass mosaics
- ◇ Interior Applications
- ◇ Wall & Floor Applications
- ◇ Plasterboard
- ◇ Fibrous Cement Sheeting
- ◇ **ACT SCR-100** and Sand & Cement Screeds
- ◇ Rendered surfaces
- ◇ Tiling over **ACT WP-1** and **ACT Australia** approved waterproofing membranes

PERFORMANCE DATA

Exceeds the performance requirements of AS4992

Tensile adhesive strength 1.0MPa (28 days)

COVERAGE

15kg of **ADH-41** will cover approximately 10m² with a 6mm notch trowel

SUBSTRATE PREPARATION

All substrates to be tiled must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (inc overspray), coatings and all contaminants which may cause adhesion failure. Fibrous cement sheeting & plasterboard must be fixed as per manufacturers recommendations and should be sponged down with clean water to remove dust. Waterproof boards such as Scyon Secura and Cemintel Constructafloor must be primed with **ACT PR-1** or if in wet area waterproofed with **ACT WP-1**. Ensure all dust is removed prior to spreading adhesive. **ACT WP-1** or **ACT Australia** approved under tile waterproofing membranes must be fully cured prior to tiling. Concrete must be cured for 28 days. Sand and cement screeds and renders must be cured for 7 days. If in doubt with any of above please contact **ACT Australia Technical Services**.

PRIMING

In normal circumstances no priming is required as **ACT ADH-41** has unique Infused Primer Technology (**IP**T). To test substrate sponge liberal amounts of water onto the substrate and ensure water absorption is taking place. If so, then only sponge down with clean water prior to spreading adhesive. If water is beading or no absorption is taking place then prime with **ACT PR-1** impervious primer.

MIXING

15kg of **ACT ADH-41** powder will require approximately 5.5 litres of clean drinking water. Slowly add **ADH-41** powder into a clean bucket with the measured water. Slowly mix with a quality drill & mixing paddle to ensure a smooth, lump free toothpaste consistency. Leave the mix for 4 minutes then re-stir. The adhesive is now ready for use.

MOVEMENT JOINTS

Movement joints must be incorporated within the tiling system in accordance with AS3958.1-2007. Ensure movement joints are free of all adhesive and grout residue.

APPLICATION

All workmanship must be in accordance with AS3958.1-2007. After mixing adhesive, apply the adhesive with the appropriate size notch trowel for the application. Ensure to work the adhesive to the substrate for good adhesion. Adhesive should sit up and not slump whilst being wet and tacky prior to laying tiles. Open time is approximately 30 mins at 23°C. If the adhesive has skinned over prior to laying tiles then remove and apply fresh adhesive. Ensure minimum adhesive bed thickness is 2mm for wall & 4mm for floor applications depending on size of tile.

DRYING

Allow minimum 8hrs for the adhesive to cure and set prior to grouting. For impervious substrates such as waterproofing membranes and or non-absorbent tiles further curing time will be required depending site conditions and ambient temperatures. Ensure adhesive has set prior to grouting.

GROUTING

Use **ACT Australia recommended GRT-4** or **GRT-20** grouts. Ensure grout joints are clean of any adhesives residue prior to mixing grout with clean water to a toothpaste consistency.

SHELF LIFE

In unopened original packaging for up to 12months when stored in a cool, dry environment off the floor and out of direct sunlight.

LIMITATIONS

- ◇ Not suitable for continuous water immersion such as swimming pools, spas and ponds
- ◇ Not suitable for tiling directly over 100% polyurethane or fiberglass waterproofing membranes
- ◇ Not suitable for tiling directly over plastics and metals
- ◇ Not suitable for tiling directly over Masonite, MDF, timber, plywood or particleboard
- ◇ Not suitable for moisture sensitive stone such as green marble or man-made conglomerate products
- ◇ Internal tiling should not exceed 2.7m in height
- ◇ Not suitable for external applications
- ◇ Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. All post-tensioned concrete slabs must be treated as flexible substrate
- ◇ If in doubt contact **ACT Australia Technical Services** for further information & advice

SAFETY DIRECTIONS

ACT Australia supports best practice in material handling. Provide good ventilation- open doors and windows and use circulating fans. Appropriate gloves, masks, safety glasses and protective clothing should be worn. If product comes in contact with skin it can be washed off with water before drying. If swallowed drink plenty of drinkable water and seek medical advice, do not induce vomiting. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.

In case of an emergency please call the Poisons Information Centre on 13 11 26.