

TILE ADHESIVE

THIN BED | PREMIUM (712)

ADX

PRODUCT DESCRIPTION

ADX Tile Adhesive (712) is a premium grade single component thin bed polymer modified cementitious tile adhesive with improved flexibility, excellent bonding strength, excellent slip resistant and extended open time. **ADX Tile Adhesive (712)** is compliance with EN 12004: C2TE and EN 12002: S1; specially formulated for all types of wall and floor tiles ($\leq 600\text{mm} \times 600\text{mm}$). Ideal for interior and exterior use. It can also be used in swimming pool and tile-on-tile floor application.

FEATURE & BENEFITS

- C2 TE according to EN 12004
- S1 according to EN 12004
- Excellent adhesion, flexible & workability
- Excellent durability
- Water resistant
- No latex additives required

TECHNICAL DATA (typical values)

Appearance	Grey powder
Binder	Cement
Filler	Graded silica sand and calcium carbonate powder
Auxiliaries	Additives and specialized polymers
Water Powder Ratio	0.32 – 0.33
Wet Density	1800 – 1900 kg/m ³
Dry Density	1600 – 1700 kg/m ³
Adhesion according to EN1348 (initial adhesion @ 28days)	
- Initial adhesion	$\geq 1.0 \text{ N/mm}^2$
- Water immersion	$\geq 1.0 \text{ N/mm}^2$
- Heat aging	$\geq 1.0 \text{ N/mm}^2$
Extended Open Time according to EN1346	$\geq 0.5 \text{ N/mm}^2$ after not less than 30mins
Slip according to EN308	$\leq 0.5\text{mm}$
Transverse Deformation according to EN12002	Class S1 ($\geq 2.5\text{mm}$ and $<5\text{mm}$)
Adjustable Time	Up to 60 minutes
Pot Life	~ 2 hours
Application Thickness	Up to 10mm
Coverage	7m ² at 2.5mm thickness
Packaging	25kg; 80bags/pallet

SURFACE PREPARATION

1. Surface to be tiled must be structurally sound, clean and free from dust, oil and any traces of foreign materials that may affect adhesion.
2. Minimum 7 days curing is needed for brick, block and concrete wall. Surface must be trowelled to semi-smooth finish with wood float. Screed or render should be thoroughly checked after curing ensuring soundness in adhesion. All defects should be properly repaired.
3. Roughened painted surface with wire brush and remove flaking paint to expose clean and sound background suitable for direct fixing.
4. Check trueness of background surface with 2m straightedge. When the gap under the straightedge between points of contact exceeds 3mm, use the same adhesive for local correction up to 6mm thick.

MIXING

1. Mix **ADX Tile Adhesive (712)** with approximately 8L of clean water.
2. Mix thoroughly with an electrical mixer for 3-5 minutes to achieve lump-free homogeneous mortar paste.
3. Allow maturity time of 3-5 minutes then remix material for 1 minute before application.

APPLICATION

1. Apply **ADX Tile Adhesive (712)** onto the prepared surface with a trowel and then combed through with a suitably sized notched trowel onto the substrate surface. As a general guide, use 6mm x 6mm notch trowel for tiles size 300mm x 300mm and below; 10mm x 10mm notch trowel for larger format tiles.
2. Do not spot fix tiles. Clean back of tile with a damp cloth before tiling. Soaking of tiles is not mandatory.

3. Spread about 1m adhesive at every one time so that tiling can be completed before surface of the adhesive begins to form skin. Tiles can be moved slightly into its final position within 60 minutes after application.
4. Remove a tile occasionally as fixing proceeds to ensure maximum possible contact with adhesive is being maintained.
5. As a general guideline, tile size above 300mm x 300mm, with high ribs/lugs/grooves or uneven back must be buttered flat or covered with 1-2mm of adhesive before placing the tiles on the combed adhesive bed to create cavity-free adhesive layer.
6. When tiling directly onto waterproofing membranes, additional compatibility test is required to determine suitability.

PROTECTION

- Tiles installed with **ADX Tile Adhesive (712)** to be protected against water or rain until the material is completely dry.
- Grouting can be carried out 24 hours after completion of tiling work.
- Light pedestrian traffic is allowed 4 days after completion of tiling and grouting.
- Heavy pedestrian traffic is only permitted 14 days after completion of tiling and grouting.
- Heavy mechanical stress such as impact vibration and hammering on adjacent and/or back of walls will affect the final bonding strength.
- At all times, floor and wall tiles should be kept clean and free from all materials likely to cause stain, e.g. oil, grease, paint.
- Appropriate types of sheets/boards should be laid loosely over the floor for protection.
- Access to the completed work should be restricted during the curing period.

PRODUCT LIMITATIONS

Do not use **ADX Tile Adhesive (712)** over metal/steel surface; concrete slabs subjected to strong shrinkage and other movement; and surface need to be opened to light foot traffic rapidly.

STORAGE

ADX Tile Adhesive (712) should be stored in dry area free from excessive moisture.

SHELF LIFE

6 months in original, unopened and undamaged sealed bags; kept off the ground in a cool, dry weatherproof environment.

HEALTH & SAFETY

ADX Tile Adhesive (712) is non-hazardous. However, it is recommended that appropriate safety equipment be worn when handling the product, including dust mask, rubber gloves, full eye protection and safety boots where necessary. In case of contact with eyes, wash with plenty of water. If irritation persists, seek immediate medical attention. Safety Data Sheet is available upon request.

IMPORTANT NOTICE

The information provided here is based on our experience and is given to the best of our knowledge and it is non-binding. User is responsible in ensuring that the product is suitable for the purpose of the application. ADX is not liable for the use performance of the product or whatsoever arising from the use of the product unless specifically agreed in writing as we have no control on the treatment of the product and surface condition of the substrate. Edition ADX2503. This edition will become invalid when a new version is published.



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Environmentally Preferred Adhesives /
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