

**TECHINCAL DATA SHEET**

**TILE ADHESIVE: EX-11 CERAMIC EXPERT**

Tile Adhesive EX-11 Ceramic Expert is grey cement-based powder formed adhesive which gives better quality strength. This product is designed for fixing ceramic and clay tiles for internal dry area applications only. Tile Adhesive EX-11 Ceramic Expert is general purpose adhesive, easy to handle, which requires only addition of clean water to produce easily workable mortar. Application ideal for tiles with apparent porosity greater than 3%.

**PRODUCT DESCRIPTION**

**PRODUCT:** Tile Adhesive: Ex-11 Ceramic Expert (Grey) is TYPE-I tile adhesive. Grey cementitious adhesive for fixing ceramic tiles for thin bed applications develops high efficiency, high strength and high-quality.



COMPOSITION	Graded sand, cement, selected fillers, polymers
COLOUR	Grey dry powder
TESTS	Tested according to IS 15477:2019
FEATURES	<ul style="list-style-type: none"> <li>• Saves time</li> <li>• Increase productivity</li> <li>• Cost effective</li> <li>• No curing required</li> <li>• Highly water resistant</li> <li>• No need for hacking</li> <li>• Excellent adhesion to base plaster/ concrete surface</li> </ul>
USES	<ul style="list-style-type: none"> <li>• Suitable for internal Wall &amp; Floor applications</li> <li>• Easy to use – Addition of water on site</li> <li>• Can be used on new / old wall and floor</li> <li>• Consistent work quality</li> <li>• Easy tile installation that enables high productivity</li> </ul>

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**TECHNICAL ANALYSIS (TYPE I: CONFORMS TO IS 15477:2019)**

PARAMETERS	SPECIFICATIONS
Spread ability	Spread easily with good notch ability
Open Time	≥ 10 minutes
Adjustability	≥ 10 minutes
Slip Resistance	< 0.5mm
Pot Life	> 120 minutes
Density	1.5 -1.9 g/ml
Tensile Adhesion Strength (Dry Condition, After 28 Days)	Minimum 0.5 N/mm <sup>2</sup>
Shear Adhesion Strength (Dry Condition, After 28 Days)	Minimum 1.0 N/mm <sup>2</sup>

**GUIDANCE FOR USE**

**SUBSTRATE**

- Cement based backgrounds
- Cement plaster
- Cement concrete
- For dry area applications only

**SUBSTRATE PREPARATION**

- Clean loose particles, dirt, grease and traces of foreign materials from the surface, if necessary, by using wire brush/sandpaper or by chipping.
- For loose plaster areas or floors/wall which are not even, then remove the defective material and re-plaster the area with Ready-Mix Plaster to make them even.

**MIXING**

- Take approx. 200-300 ml of clean water for 1 Kg Tile Adhesive EX-11 Ceramic Expert in a clean bucket. It is very important that add material into water and not vice versa.
- Stir continuously for 3 - 5 minutes by using mechanical stirrer or by hand to obtain a homogeneous lump- free paste.
- Allow the resultant paste to stand for about 10 minutes for the additives to dissolve.
- Re-mix again for about 2 minutes. The mixture is now ready to apply.

**APPLICATION**

- Dampen the surface to be plastered with clean water. Allow excess water to drain off.
- The tiles should be immersed in water for about two hours before fixing.
- Apply the material on the substrate, use 6mm notched trowel for application.
- Application should be angled between 35 to 45 degrees, using the right amount of pressure. Check for holes and gaps in the adhesive, spread it evenly.
- Fix the tile in the place and tap gently with wooden hammer. Using a notched trowel remove excess mixture from the tile and clean it by using a damp cloth or sponge.

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COVERAGE	<ul style="list-style-type: none"><li>• 50 - 60 sq. ft./ Bag (20 Kg) at 3mm thickness on plain surface (Or depending on substrate conditions).</li></ul>
USAGE	<ul style="list-style-type: none"><li>• Do not add more water than recommended.</li></ul>
PRECAUTIONS	<ul style="list-style-type: none"><li>• Applicable for ceramic tiles only.</li><li>• Maximum adhesive thickness 3 - 12mm.</li><li>• Do not used on gypsum plaster surface, paint, wood and metal.</li></ul>
PACK SIZE	<ul style="list-style-type: none"><li>• 20 Kg</li></ul>
SHELF LIFE	<ul style="list-style-type: none"><li>• 12 months</li></ul>

**STORAGE INSTRUCTIONS**

- Store in cool, dry, and well-ventilated place away from heat source or direct sunlight.
- Keep away from water and damp area.
- Avoid using partially used material; open bags with partially used material should be kept in a bag with its mouth tied tightly with string to prevent lump formation.
- As temperature, humidity, water addition and other parameters vary from site to site; the above information should be treated as general guidelines.

**HEALTH & SAFETY INFORMATION**

- It contains only eco-friendly fillers and additives. However, being cement based, it is alkaline and hence it is advisable to avoid direct eye and skin contact with this. In case of eye contact, kindly wash with clean water at least for 15 minutes and seek medical help and keep it out of children reach.

**Disclaimer:** Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.