

**TECHINCAL DATA SHEET****TILE ADHESIVE: EX-22 VITRIFIED EXPERT (GREY)**

Tile Adhesive EX-22 Vitrified Expert (Grey) is polymer modified, grey cement-based tile adhesive suitable for fixing tiles with less than 3% porosity, like vitrified & semi-vitrified tiles on walls and floor in interior situations. Tile Adhesive EX-22 Vitrified Expert (Grey) is cementitious material in the powder form composed of cement, sand, polymer which needs on site addition of water to make a mortar which is used for fixing tiles over any cementitious surface.

**PRODUCT DESCRIPTION**

**PRODUCT:** Tile Adhesive: Ex-22 Vitrified Expert (Grey) is TYPE-II tile adhesive. Grey cementitious Adhesive for fixing Vitrified tiles for thin bed applications develops high quality, strong bond-strength, and tensile adhesion.



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>Non-Shrinkage</li><li>Increase productivity</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, exterior only floor applications</li><li>Can be used for new/old walls and tile on tile application</li><li>Consistent work quality</li><li>High durability</li><li>Negligible waste</li><li>Saves Time</li></ul>

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

PARAMETERS	SPECIFICATIONS
Spread ability	Spread easily with good notch ability
Open Time	$\geq 15$ minutes
Adjustability	$\geq 15$ minutes
Slip Resistance	$< 0.5$ mm
Pot Life	$> 120$ minutes
Density	1.5 -1.9 g/ml
Tensile Adhesion Strength (Dry Condition, After 28 Days)	Minimum 1.0 N/mm <sup>2</sup>
Tensile Adhesion Strength (Wet Condition, After 28 Days)	Minimum 1.0 N/mm <sup>2</sup>
Shear Adhesion Strength (Dry Condition, After 28 Days)	Minimum 1.25 N/mm <sup>2</sup>
Shear Adhesion Strength (Heat Aging Condition, After 28 Days)	Minimum 1.0 N/mm <sup>2</sup>
Shear Adhesion Strength (Wet Condition, After 28 Days)	Minimum 1.0 N/mm <sup>2</sup>

**GUIDANCE FOR USE**

<b>SUBSTRATE</b>	<ul style="list-style-type: none"> <li>• Cement-based backgrounds</li> <li>• Cement Plaster</li> <li>• Cement Concrete</li> <li>• For dry area applications only</li> </ul>
<b>SUBSTRATE PREPARATION</b>	<ul style="list-style-type: none"> <li>• Clean loose particles, dirt, grease, and traces of foreign materials from the surface, if necessary, by using wire brush/sandpaper or by chipping.</li> <li>• 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.</li> </ul>
<b>MIXING</b>	<ul style="list-style-type: none"> <li>• Take approx. 200-300 ml of clean water for 1 Kg Tile Adhesive EX-22 Vitrified Expert (Grey) in a clean bucket. It is very important that add material into water and not vice versa.</li> <li>• Stir continuously for 3 - 5 minutes by using mechanical stirrer or by hand to obtain a homogeneous lump - free paste.</li> <li>• Allow the resultant paste to stand for about 10 minutes for the additives to dissolve.</li> <li>• Re-mix again for about 2 minutes. The mixture is now ready to apply</li> </ul>

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APPLICATION	<ul style="list-style-type: none"> <li>• Dampen the surface to be plastered with clean water. Allow excess water to drain off.</li> <li>• The tiles should be immersed in water for about two hours before fixing.</li> <li>• Apply the material on the substrate, use a 6 mm notched trowel for application.</li> <li>• Application should be angled between 35 to 45 degrees, using the right amount of pressure. Check for holes and gaps in the adhesive and spread it evenly.</li> <li>• Fix the tile in place and tap gently with a wooden hammer. Using a notched trowel remove excess mixture from the tile and clean it by using a damp cloth or sponge.</li> </ul>
COVERAGE	<ul style="list-style-type: none"> <li>• 50 - 60 sq. ft./ Bag (20 Kg) at 3mm thickness on a 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, vitrified tiles and natural stone tiles only.</li> <li>• Maximum adhesive thickness 3 - 12mm.</li> <li>• Do not use 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.