

## DUSH APEX LIMITLESS

Stick it and Forget it



**SIZES**

20 kg

**COLORS**

White

**AREA OF USE**

All types of marble ceramic tile, terracotta, pavers, brick, vitrified tiles, glass mosaic tiles, large format tiles, precast terrazzo, & natural stones, large thin/ slim tiles, low thickness slabs

PHYSICAL STATE

Powder

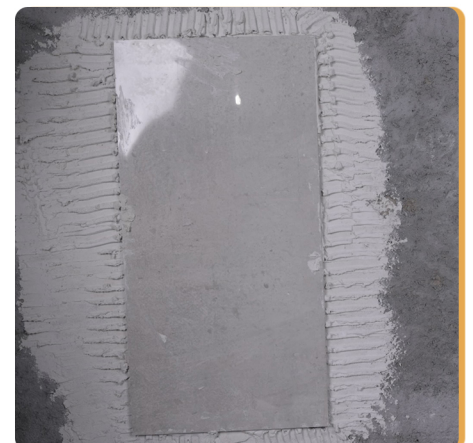
COLOUR

White

### DESCRIPTION:

**DUSH APEX LIMITLESS** is a high-polymer-modified, highly flexible adhesive designed with enhanced slip resistance, extended open time, and excellent bond strength. It is ideal for fixing large-format tiles, natural stones, and slim tiles on both vertical and horizontal surfaces, suitable for indoor and outdoor use. Perfect for external conditions and substrates subject to deformations and vibrations, this adhesive surpasses the limits of traditional cement adhesives.

### Product Application Photo:



### INSTRUCTIONS TO USE:

1. Ensure the surface is sound, clean, and free of dirt, oil, and loose plaster.
2. Mix Dush Apex Adhesive with water until the mixture becomes creamy and plastic.
3. Apply the adhesive using a flat side of the trowel, followed by additional mortar using the notched edge.
4. For large tiles, spread adhesive on the back of the tile as well.

### FEATURES AND BENEFITS:

1. **Superior Bond Strength:** Provides excellent adhesion for large-format tiles, natural stones, and slim tiles, ensuring a secure and durable bond.
2. **Enhanced Flexibility:** Highly flexible to accommodate deformations and vibrations, making it ideal for substrates prone to movement.
3. **Slip Resistance:** Designed with enhanced slip resistance, it ensures tiles stay in place during installation, preventing slippage.
4. **Extended Open Time:** Offers an extended open time, allowing more flexibility and ease during the application process.
5. **Versatile Application:** Suitable for both indoor and outdoor use, DUSH APEX ADHESIVE is perfect for challenging conditions, surpassing the performance of traditional cement adhesives.

### PRECAUTIONS AND NOTES:

1. Wear Hand Gloves.
2. Keep Out of Reach of Children.
3. Keep the application area ventilated enough.
4. Keep the product closed after usage and away from sunlight.
5. Always test the product before use.

### HANDLING & SHELF-LIFE:

Keep the tins closed and stored in a cool and ventilated environment at a temperature of 28–35 °C, away from the source of heat. Best Before 12 months.

### SAFETY RULES:

Keep out of reach of children. Wear appropriate protective clothing, gloves, and eye/face protection. If skin contact occurs, wash immediately with plenty of clean water. If eye contact occurs, rinse thoroughly with clean water and seek medical attention. For professional use only.

For more information, please refer to the relevant Material Safety Data Sheet, available upon request.

### COVERAGE:

1. Approx. 5 – 6 m<sup>2</sup>/ 20 Kg Bag at 3 mm thickness (using 6 mm x 6 mm notch).
2. Approx. 2.5 – 3 m<sup>2</sup>/ 20 kg Bag at 6 mm thickness (using 12 mm x 12 mm notch).
3. Approx. 1.2 kg/ m<sup>2</sup> per mm of thickness
4. Coverage will vary depending on trowel notch size, type, size of tile and substrate smoothness and evenness.

### MIXING:

1. Add 2.5 – 3 parts of powder to 1 part of water or 5.5 – 6.5 litre water for 20 Kg powder in a clean mixing vessel.
2. Adjust the water as per desired consistency.
3. Mix with a suitable mechanical stirrer or slow speed drills (50 – 100 rpm) until a lump free homogeneous paste is obtained.
4. Always mix required quantity, which can be consumed within pot life.
5. Leave mixture for 5 minutes before use.
6. No further water should be added.

**TECHNICAL INFORMATION**

PHYSICAL STATE | Powder

COLOUR | White

**CHARACTERISTICS OF PRODUCT**

<b>PRODUCT ASPECT</b>	<b>Powder</b>
<b>ODOUR</b>	<b>Odourless</b>

Testing Properties	Test Results
Mixing Ratio (Powder : Water)	White - 1 : 0.34 by weight
Mixed Density	1.5 -1.8 kg/ litre
Open time	Min. 45 minutes
Adjustability	Approx. 45 minutes
Pot life	Min. 124 minutes
VOC content	< 0.3 gm/ liter
Application Temperature (substrates and materials)	6°C to 34°C
Adhesive thickness	4-14 mm
Setting/ Trafficable/ Grouting time	24 hours

Testing Properties	Test Results	Requirement
<b>1. Tensile Adhesion Strength, N/mm<sup>2</sup></b>	-	-
Dry Condition	1.61	1.5 Min
Wet Condition	1.10	1.0 Min
<b>2. Shear Adhesion Strength, N/mm<sup>2</sup></b>	-	-
Dry Condition	1.90	1.5 Min
Wet Condition	1.88	1.0 Min
Heat Ageing Condition	1.80	1.0 Min
<b>3. Open Time, minutes</b>	25	-
<b>4. Adjustment Time, minutes</b>	45	-
<b>5. Slip, mm</b>	0.12	0.5 Max
<b>6. Deformability</b>	2.7	2.5-5.0

**DUSH** 

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**DISCLAIMER:**

Before using any Dush products, test on a small, inconspicuous area to ensure compatibility and understand the application process. Results may vary based on application methods, surface conditions, and climate factors such as temperature and humidity. While Dush aims to provide high-quality products, we cannot guarantee specific results due to these variables. By using Dush products, you acknowledge and accept that Dush shall not be held liable for any damage or unsatisfactory results arising from their use or misuse.