



Product Description

Perlcon VERTIGRIP (PREMIUM) is a multipurpose polymer modified cementitious ready mix adhesive mortar for fixing long lasting rough Stones of regular size, Vitrified tiles, large format ceramic tiles, porous natural stones of regular size on the walls & floor with regular traffic. **Perlcon VERTIGRIP (PREMIUM)** can also be used on old tiles & other flooring materials. It is thin set powder to be mixed with water to install various types of tiles & stones on variety of substrates.

Key Features

- It is a ready to mix, needs only mixing with water.
- polymer modified low shrinkage.
- Bonds to various substrates.
- It has excellent adhesion properties, no slip is observed on vertical applications.
- Shrinkage cracks are minimized/eliminated due to its self curing properties.
- Larger quantity of material can be mixed at a time due to its longer pot life.
- The tiled floor can be made available for foot traffic after 24 hours. **Exceeds IS 15477 - Type 1 Adhesive Standards.**
- Sufficiently flexible to accommodate physical & thermal movements.

Areas of Application

for fixing large tiles & Stones, door and window frames on the walls & large tiles on floor with regular traffic.

TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Bulk Density	1.40 - 1.50 gm/cc
Water Demand	24 - 26 %
Pot Life	Approx 90 minutes
Open Time	10 - 15 minutes

Shear Adhesion

Dry Conditions (24 Hours) -	> 2.5 KN	5.00 KN
Dry Conditions (14 Days) -	> 8.0 KN	11.00 KN
Heat Ageing (7 Days Std + 7 Days Oven) -	> 4.0 KN	7.00 KN
Wet Condition (7 Days Std + 7 Days Water) -	> 4.0 KN	6.00 KN

TENSILE ADHESION-after 14 days at 27+/-1°	>750 N	1030 N
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TENSILE ADHESION-after 7 days Dry +7 days water	> 450 N	820 N
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Surface preparation

- Pre-wet the blocks and ensure it is touch dry before thin bed masonry mortar is applied.
- The surface for mounting must be thoroughly cleaned of all loose materials, oil, grease etc.
- Ensure that surface is flat, structurally sound and free from any other contamination which would reduce the bond strength.
- The surface should be free from voids, holes and cracks.

Mixing & Application Methodology

1. Clean plaster surface properly with wire brush. Fill a clean pot with potable water measuring 25% weight of **VERTIGRIP** (1 kg Vertigrip: 0.25 lit water).
2. Pour **VERTIGRIP**, mix with water and knead slowly to make a homogeneous paste. Let the mixture stand for 10 minutes. Mix again without adding water.
3. Apply **VERTIGRIP** paste as plaster on clean, dry base surface from bottom to top direction evenly to form the bedding layer of required thickness.
4. Take a notched trowel and make grooves of required size on the newly plastered area and take out extra **VERTIGRIP** for reuse.
5. Fix the tiles/Stons in required position, ensure full fixity by pressing and twisting the tiles so that no air gap is left out. Set the tiles with wooden hammer. **VERTIGRIP** allows a correction time of 10 - 12 minutes for re - alignment.
6. Remove extra material with wet cloth. Tile fixing is now complete.



Consumption

1.2 Kg per square meter per mm of thickness
The coverage will vary depending on surface conditions.

Note:

- Minimum thickness to be applied is 3 - 6 mm to take care of the undulation in the wall as well as to ensure minimum 90% spread leading to good bonding strength.

Pack Size: 20 kg & 40 kg

Color: Grey & White

Shelf Life

12 months from the date of manufacturing in a sealed condition.
Store in a cool dry place.



Health & Safety: Perlcon VERTIGRIP PREMIUM is non-toxic. Use of gloves and goggles is recommended.

: Pot life, open time and adjustability time varies depending on the service conditions viz temperature, humidity and wind factor.

: These are typical test values obtained during our laboratory tests. Site mixes may show slight differences in performance due to method of application.

Disclaimer: Information on this datasheet is to be treated as guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no express or implied guaranty/warranty for the results. The company is not liable for any consequential damages.

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