



## Product Description

**Perlcon ALPHAGRIP NSA** is a polymer modified cementitious ready mix tile adhesive mortar for long lasting glazed and/or ceramic tiles ,vitrified tiles on internal/external flooring & large format ceramic tiles on external/internal **Perlcon ALPHAGRIP NSA** is ideal for tile on tile application also,forms a waterproof barrier between two surfaces & has excellent grab properties. It can be used on cementitious & self levelling screed.

## 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 format tiles & Stones of regular size , on the walls & floor with regular traffic.

### TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Bulk Density	1.40 - 1.50 gm/cc
Water Demand	22 - 23 %
Pot Life	Approx 90 minutes
Open Time	10 - 15 minutes

#### Shear Adhesion

Dry Conditions (24 Hours) -	> 2.5 KN	4.50 KN
Dry Conditions (14 Days) -	> 8.0 KN	10.00 KN
Heat Ageing (7 Days Std + 7 Days Oven) -	> 4.0 KN	6.00 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	870 N
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TENSILE ADHESION-after 7 days Dry +7 days water	> 450 N	840 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 **ALPHAGRIP** (1 kg Vertigrip: 0.25 lit water).
2. Pour **ALPHAGRIP**, 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 **ALPHAGRIP** 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 **ALPHAGRIP** 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. **ALPHAGRIP** 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 3mm to take care of the undulation in the blocks 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 ALPHAGRIP NSA 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 it's 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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