



PERLCON VERTIGRIP[®]

Stone/Tile Fixing Mortar for Vertical or Horizontal Surfaces
Premix Self Curing Long Lasting



**SAVE
WATER**
EVERY DROP
COUNTS!
USE PERLCON SELF CURING
PRODUCTS

Our Product Range:

- Sandfree Ready Mix Wall Plasters • Ready Mix Masonry Mortars • Mask Putty • Colourputty • Tile Joint Filler • Texture Plaster • Light Weight Insulation Aggregate (GIB)
- Insulation Plaster • Light Weight Insulation Concrete • Expanded perlite • Light Weight sunk-fill • Water Proofing Solutions • Sealants • Protective Coatings



Tile & Stone Adhesive
Premix Self curing

High polymer modified thinset mortar

Product Description

Perlcon VERTIGRIP (PLATINUM) is a high strength polymer modified multipurpose cementitious ready mix adhesive mortar for fixing large vitritied tiles & natural stones of regular size on the walls & floor with regular traffic. Perlcon VERTIGRIP (PLATINUM) is a single component adhesive having high bond strength suitable for interior as well as exterior conditions.

Key Features

- It is a readymix, a single component product.
- High strength, polymer modified.
- Bonds to variety of substrates.
- It has excellent adhesion properties, No slip is observed on vertical applications.
- Shrinkage cracks are minimized 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 2 Adhesive Standards.

Areas of Application

For fixing large format tiles & natural stones of regular size , on the walls & floor with regular traffic.



TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Property	Standards	Typical values
Bulk Density		1.40 - 1.50 gm/cc
Water Demand		26 - 28 %
Pot Life		Approx 90 minutes
Open Time		10 - 15 minutes
Shear Adhesion		
Dry Conditions (24 Hours)	> 4.0 KN	5.50 KN
Dry Conditions (14 Days)	> 10.0 KN	13.00 KN
Heat Ageing (7 Days Std + 7 Days Oven)	> 5.0 KN	6.00 KN
Wet Condition (7 Days Std + 7 Days Water)	> 10.0 KN	11.50 KN



Tile & Stone Adhesive
Premix Self curing

Highly polymer modified multipurpose mortar

Product Description

Perlcon VERTIGRIP (PLATINUM NO⁺LIMIT) is a superior quality adhesive which is a highly polymer modified multipurpose cementitious ready mix adhesive mortar for fixing large format tiles & large stones on floor & on walls with standard application practices of using clamps above 20' height. Perlcon VERTIGRIP (PLATINUM NO⁺ LIMIT) is a single component thin set adhesive having exceptionally high pull off strength.

Key Features

- It is a readymix, a single comnent product.
- Very high strength, polymer modified.
- Bonds to various substrates.
- It has excellent adhesion properties, No slip is observed on vertical applications.
- Shrinkage cracks are minimized 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 2 Adhesive Standards.
- Water and shock resistant.

Areas of Application

For fixing large format tiles & Stones on the walls & floor with regular traffic.



TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Property	Standards	Typical values
Bulk Density		1.40 - 1.50 gm/cc
Water Demand		26 - 30 %
Pot Life		Approx 90 minutes
Open Time		15 - 20 minutes
Shear Adhesion		
Dry Conditions (24 Hours)	> 4.0 KN	5.50 KN
Dry Conditions (14 Days)	> 10.0 KN	15.00 KN
Heat Ageing (7 Days Std + 7 Days Oven)	> 5.0 KN	6.00 KN
Wet Condition (7 Days Std + 7 Days Water)	> 10.0 KN	12.00 KN

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- Light Weight Insulation Concrete • Expanded perlite • Light Weight sunk-fill • Water Proofing Solutions
- Sealants • Protective Coatings





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. The thin set powder is to be mixed with water to install various types of tiles & stones on variety of substrates.

Key Features

- It is a readymix, 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 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

Property	Standards	Typical values
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	6.00 KN
Wet Condition (7 Days Std + 7 Days Water)	> 10.0 KN	12.00 KN
TENSILE ADHESION-after 14 days at 27+/-1°	>750 N	1030 N
TENSILE ADHESION-after 7 days Dry +7 days water	>450 N	820 N



Product Description

Perlcon VertiGrip (Gold) 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 walls. Perlcon VERTIGRIP GOLD forms a waterproof barrier between two surfaces & has excellent grab properties. It can be used on cementitious & self levelling screed. A thin layer bedding of Perlcon VERTIGRIP (GOLD) should be applied for durable tile fixing work.

Key Features

- It is a readymix, needs only mixing with water.
- Polymer modified low shrinkage.
- Bonds to various substrates.
- Suitable for indoor and tile on tile applications.
- Shrinkage cracks are minimized 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.
- Soaking of tiles & backing of surface not required.
- **Exceeds IS 15477 - Type 1 Adhesive Standards.**

Areas of Application

For fixing tiles & Stones of regular size , on the walls & floor with regular traffic.



TECHNICAL PARAMETERS#
testing parameters @ 27 deg C

Property	Standards	Typical values
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	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	960 N
TENSILE ADHESION-after 7 days Dry +7 days water	> 450 N	810 N

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Floor Stone/Tile Fixing Mortar
Premix Self Curing
Polymer modified non skid adhesive

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 walls. Perlcon ALPHAGRIP NSA is ideal for tile on tile application which forms a waterproof barrier between two surfaces & has excellent grab properties. It can be used on cementitious & self levelling screed also.

Key Features

- It is a readymix, 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 due to its self curing properties.
- 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

Property	Standards	Typical values
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
TENSILE ADHESION-after 7 days Dry +7 days water	> 450 N	840 N

Surface preparation

- Carefully clean the substrate of oil stains, remove dirt / dust and laitance if any.
- Ensure that substrate is levelled, stable well adhered and has adequate absorption value.
- Concrete screeds, plaster surfaces to be sufficiently water cured prior to tiling work.
- Pre - wetting is recommended but there should not be excessive water when tiling is carried out.

Mixing & Application Methodology

1. Clean plaster surface properly with wire brush. Fill a clean pot with potable water measuring 25% weight of **Tile Adhesive** (1 kg **Tile Adhesive**: 0.25 lit water).
2. Pour **Tile Adhesive**, 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 **Tile Adhesive** 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 **Tile Adhesive** for reuse.
5. Fix the tiles/Stones in required position, ensure Proper bonding by pressing and twisting the tiles so that no air gap is left out. Set the tiles with wooden hammer. **Tile Adhesive** 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 Tile Adhesives are 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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