Nippon Paint NP108 High Performance Tile Adhesive

General Description

Nippon Paint NP108 High Performance Tile Adhesive is composed of high-quality cement, refined sand, adhesive powder, and modifier which is designed specifically for the humid environment of Hong Kong. It is a single-component, water-resistant cement-based tile adhesive specifically designed for interior and exterior wall and floor tiling. It is suitable for various brick materials, such as ceramic tiles, marble, granite, artificial stone, etc. This product offers excellent adhesion, excellent slip resistance, extended open time, and easy application properties, ensuring excellent bonding performance under standard of C1TE.

Recommended For

- Interiors and exteriors
- Suitable for general purpose tiling works, including but not limited to,
  - Wall and floor tiles
  - Insulation and acoustic tiles
  - Marble and terrazzo tiles
  - Mosaics and ceramic tiles
  - Papered tiles

Features

- Suitable for interior and exterior use
- Excellent adhesion to the substrate
- Extended open time
- Excellent slip resistance
- Ready to use, smooth and easy application
- Non-toxicity, odourless, environmentally friendly

General Information

Colour:	White / Grey
Type:	Premixed cementitious tile adhesive
Finishes:	Matt
Application Method:	Troweling
Theoretical Coverage:	1.2 kg/m^2/mm (Grey) 1.26 kg/m^2/mm (White)
Mixing Ratio:	26-29% (6.5-7.3 litres per 25kg bag)

Drying time: (at 25ºC)	N/A
Overcoat Time (at 25 ºC)	Allow 24 hours for the adhesive to set before grouting of joints.
Specific Gravity: (at 25 ºC)	N/A
Solid Content: (by volume)	100%
Packing:	25 kg
Shelf Life:	12 months in sealed original packaging stored at room temperature and shaded place.

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Technical Data

Test	Test Method	Result
VOC Content (g/L)	USEPA Method 24	<65
Initial Tensile Adhesion Strength (MPa)	EN 12004:2017 EN 1348	1.4
Tensile adhesion strength after heat aging(MPa)	EN 12004:2017 EN 1348	1.1
Tensile adhesion strength after water immersion(MPa)	EN 12004:2017 EN 1348	1.1
Tensile adhesion strength after freeze thaw(MPa)	EN 12004:2017 EN 1348	1.5
Vertical Slip (mm)	EN 12004:2017 EN 1308	≤ 0.5
Open Application Time (30 mins)	EN 12004:2017 EN 1346	0.8

Surface Preparation

All surface must be clean, dry and free from oil, grease, dirt, contaminants and loose materials.

Dirt/Powder:	High-pressure wash (External). Clean with damp cloth (internal). Mild detergent may be used.
Paint:	Remove unstable or old film by high-pressure wash, or scraper whichever is appropriate.
Plaster:	Remove by chisel or power grinder. Replaster to unstable surface with an approved mortar mixture.
Moisture:	High moisture causes paint defect. The moisture content of substrate should be less than 6% or 19 determined by Protimeter. All water seepage must be checked and rectified.
pH Value:	pH value should be less than 10.
Fungus:	Remove by high-pressure wash & treat with Nippon Paint Anti-Fungus Solution
Oil/Grease:	Clean off with mild detergent and a little solvent. Wash thoroughly to remove all trace.

✧ **Ensure fresh air ingress while applying and before dry done**

✧ **High humidity and cool temperature will result in longer drying time**

Limitations

Do not apply when the temperature is below 5ºC or the humidity is over 85%. Avoid application when raining and rain is expected during painting or drying process.

Clean Up

Wash painting tools with water immediately after use.

Safety Information

Keep out of reach of children. If medical advice is needed, get the product container or label at hand for easy reference.

Be aware of sanding dust / spray mist. Protective gloves, eye or face protection are highly recommended. Keep away from sparks, heat, open flames and any other ignition sources.

Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed.

In case of eye contact, rinse immediately with plenty of water. For splashed skin, clean thoroughly with soap and water. Seek medical attention if indication persists.

If you experience difficulties on breathing, leave applied area and obtain fresh air. If difficulties continue, immediately get medical attention.

Product must always be stored in a ventilated, cool and dry place.

Tightly close product container after each use.

Flash Point and Ignition Point

Flash Point: N/A
Ignition Point: N/A

Note: The information given applies to the product and its performance under specific test condition. Due to the varied circumstances beyond our control under which the product may be applied, for specific applications, please contact Nippon Paint Project Sales Department. We reserve the right to modify our product specification without prior notice.