NIPPOBOND LATEX 120

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NippoBOND Latex 120 is a high-performance premium grade bonding agent & latex admixture used to improve performance and physical properties to tile adhesives, floor screeds, plastering and rendering mortar.

Product Features:

- High solid content
- Excellent cohesive strength
- Excellent abrasion resistance
- Reduces shrinkage.
- Excellent water resistance

Application Area:

Ideal to be used as an additive in cement render, mortar, floor screeds and tile adhesive, for better mechanical and bonding characteristics.

Product Type	Color / Finishing	Recommended Substrate	Pack Size
Bonding Agent	Milky White	Concrete, masonry	4L & 18L

Technical Data

Density (28°C)	: 1.01 kg/L
Viscosity	: 200-300 mPa.s
pH	: 9 -10
Material Consumption	: 0.10L/m^2/mm (approximately 19% of NippoBOND Latex 120 in total dry material)
Shelf life	: 12 months (In unopened container, stored in cool and dry conditions)

Application Method

Surface Preparation	• **NippoBOND Latex 120** can be used for screeds, renders and mortar on any cementitious surface that are solid, strong, sound and clean. • Crumbling and loose particles, dust, traces of oil or formwork release agents, and existing paint must be removed by careful sandblasting, brushing or high-pressure water jetting. Substrates that are very dry should be wetted down to a saturated surface dry condition.
Mixing (Cement Render/Screed)	• Pour 1 part of **NippoBOND Latex 120** into a clean container. Slowly add 1 part cement and 4 parts sand into the concrete mixer drum and mix for about 3 mins with a low-speed mixer until a homogeneous mortar is obtained without lump.
Mixing (Tile Adhesive)	• Pour 1 part of **NippoBOND Latex 120** into a clean container. Slowly add 3 parts of Tile Adhesive into the mixer drum, and mix for about 3 mins with a high-speed mixer until a homogenous mortar is obtain without lump.
Application (Cement Render/Screed)	• Apply the mortar with minimum 2 coats using a trowel to the required thickness ensuring good contact between the mortar and substrate. The first coat should be a thin layer and allow to cured for 24 hours prior to second coat application. • After application, especially in very warm or windy weather conditions, the mortars made with **NippoBOND Latex 120** as additive must be protected and cured carefully to avoid fast water evaporation, which could cause surface cracking due to plastic shrinkage. Spray with water mist during the first two

	days of curing or protect the mortars with polyethylene sheets. Alternatively, use curing compound to spray on the surface to facilitate curing process.
Tiling	• Soaking of tiles in water is unnecessary. However, if the backs are dusty, they should be wiped with clean damp cloth. • Spread the adhesive onto substrate using notched trowel not more than 1 sq m at a time or at arm's length. The suitability of notched trowels depends on size of tiles. • Press tiles firmly into position immediately with a twisting action. • The open time in normal temperature and humidity is 20 minutes. However, in unfavorable weather conditions e.g. strong sun, windy, high temperature, or highly absorbent substrates may shorten the open time to just few minutes. Touch adhesive ribs periodically and if a skin has formed, re-trowel the adhesive to break the skin. • Lift tiles occasionally to check that adequate contact between tile & adhesive bed is maintained and that there are no hollow areas. • Leave minimum joints of 2mm for wall tiling & 3mm for floor tiling. • Remove surplus adhesive from tile surface & joints with a damp cloth. • Allow 24 hours drying time before grouting.

Cleaning

Clean all the tools and application equipment with water before the mixture harden.

Storage and Transportation

This product should be stored in original container in a shaded or cool, dry, and adequate ventilation warehouse. When transporting, care must be taken. Always keep container in a secure upright position. Failure to comply with the recommended storage may result in considerable premature deterioration of the product and shorten its shelf life.

Safety Precautions

- Wash thoroughly after handling. Do not smoke when using this product.
- Keep away from food and drinks.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Precaution should be taken to avoid skin or eye contact or swallowing the product.
- Use adequate ventilation to avoid high vapour concentrations.
- When handling or mixing the product, avoid inhaling vapour.
- In case of inadequate ventilation wear respiratory protection. In case inhaled, remove patient to fresh air and allow to rest.
- In case swallowed, do not induce vomiting. Rinse mouth clear with plenty of water.
- In case contact with eye, immediately rinse with plenty of water and seek medical advice.
- Remove splashes from skin by using soap or water.
- Disposal of product should always comply with local and national regulations.

Note

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given without prior notice.