

Powder type adhesive for both stone and tile (one material type)

Super Uni

NSK F ★★★★★

Features

- Strong adhesive strength can be obtained by simply kneading with water.
- It can be used for heavy tiles and stones by adjusting the amount of water.
- Cures in 5 hours (at a temperature of 23°C).
- It can be used for heavy tiles and stones by adjusting the amount of water.



■ Super Uni 20kg /bag

Applicable tiles

Ceramic tiles, marble, and other stone materials (primer treatment required), porcelain tiles, heavy tiles, etc.
Porcelain tile, heavy tile, etc.

Applicable places

Bathrooms, bathtubs, toilets, kitchens, washrooms, entrance areas, exterior walls, floors, etc.

Applicable substrate

Mortar, plywood, ALC board (A primer treatment),

FRP (A primer treatment: Cannot be used for FRP waterproofing)



How to use

【Substrate】

Smooth the surface of the substrate and remove any dirt or contamination.

Apply our "A Primer" beforehand to water-absorbent substrates such as ALC panels and silica panels.

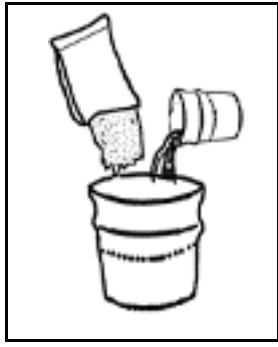
If the substrate is likely to warp, it is recommended to use "A Primer".

Cement-based adhesives such as this product may cause poor adhesion (dry-out) if the adhesive is applied thinly when the wind blows, the substrate is dry, or when tiles with heavy water absorption are used.

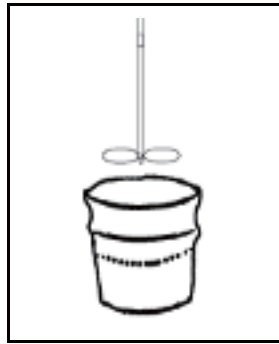
In such cases, apply a thicker coat of adhesive or spray water on the substrate before use.

【Mixing】

Mix "Super Uni" and water in a container with a hand mixer on low speed until it becomes uniform. Use up the mixed product within one hour.



Put the powder and water into a container.
(Divide the mixture into several parts.)



Use a hand mixer on low speed.
Mix thoroughly.

■ Standard water volume and construction area for one bag of Super Uni

	Water (kg)	Coating area (m ²)	Coating thickness (mm)
Ceramic tile	4.5~5.5	5~8	5 [comb]
Stone	4.0~5.0	3~5	[Ball paste]
Large-sized tiles	4.0~5.0	3~5	5~7[comb-over]
Surface preparation	5.5~6.5	12~13	1[Flat coating]

The amount of water to be added and the area to be covered will vary depending on the condition of the substrate, the weight of the tile or stone, the depth of the back foot, and weather conditions. The above figures should be used as a guide only.

Application - Attachment

【For applying tiles】 Amount to be used: 3.0~5.0 kg / m²

Apply a flat coat of 3~5mm thick without drawing a comb, and then attach tiles. Or, after applying a flat coat, scrape it off with a 5 mm or 7 mm combing trowel before attaching tiles. Do not use more than 2 m² of the coating area at a time. If the surface is exposed to direct sunlight and good ventilation, be careful not to peel the surface. In case of severe peeling, water the substrate to adjust the absorption.

When attaching tiles, crimp the tiles as if you were squeezing them in, and then tap them in with a hammer handle.

When applying tiles, crimp the tiles as if you were squeezing them, and tap them with a hammer handle. Also, peel off the tiles from time to time to make sure that the bonding area is more than 60%.

For ALC board and silica board, apply our A Primer and dry before applying the adhesive.

For ALC board and Silica board, apply our A Primer after drying.

【For attaching stone materials】 Amount used: 2.0~5.0 kg / m²

Remove dust and dirt from the back of the stone.

Use "Super Uni" also for stone.

Apply the adhesive obtained by adding the necessary amount of water to "Super Uni" and stirring.

200 square stone

After evenly applying the trowel to the substrate, scrape it off using a 5 mm trowel.

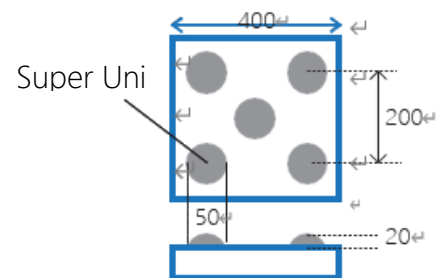
Immediately apply the stone by rubbing it in.

Tap the tiles with a rubber hammer to adjust the height and position to the water line.

400 Square stone 《ball paste》

As shown in the figure, place five adhesive ball of 50mm in diameter and 20mm in height on the back of the 400 square stone.

Attach them from the bottom. Apply from the bottom and tap with a rubber hammer to adjust the height and position to the water line. To remove the joints, use spacers or nails of the joint width.



《400 Square stone》 ball paste

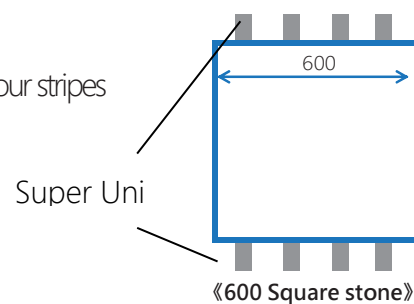
600 Square stone

Apply adhesive to the substrate lengthwise in the form of a 50 mm wide mountain range, or four stripes for 600 square stones.

If the stone is heavier than 20 mm thick, use metal fittings.

If the stone is heavier than 20 mm in thickness, use metal fittings.

※The joints should be filled at least one day after the tiles are attached.



Precautions for use

- Installation should be performed in an environment of 5°C or higher.
- This product is not intended to be used for any other purpose.
- The contents of this catalog are based on laboratory data. The catalog contents are based on laboratory data and may differ from the catalog values depending on the construction conditions at the site. We recommend that you conduct a confirmation test before installation to ensure reliable installation.
- Please read the Safety Data Sheet (SDS) before use.

Performance test results

■Performance test

Test items			Test results
Adhesion strength (N/ mm ²)			1.4
Peeling time (分) ※Room temp. 23°C, humidity 50%, no wind			30
Dullness test (mm)	Load	800g	0
		450g	0
		250g	0

■Adhesion strength to each substrate

Type of substrate	Adhesive strength (N/ mm ²)	Peeling point
Cement mortal	1.4	Rupture between adhesive layer
Plywood	0.6	Plywood surface rupture
Ceramic tile	1.0	Rupture between adhesive layers
ALC board ※A primer application	0.3	Substrate destruction