

**TECHNICAL DATA SHEET FOR
NIPPON FLEX 400**

DESCRIPTION	The Nippon Flex 400 Acrylic Elastomeric Cementitious Waterproofing System is a two pack component consisting Elastomeric Polymer and Powder. It is an effective and permanent waterproofing solution to any concrete & cementitious structures.
TYPE	Acrylic Elastomeric Waterproofing System
COLOUR	Grey
USES	Concrete rooftops and balconies Sewage and water treatment tanks Canals & manholes Swimming pools, outdoor ponds Bonding and waterproofing joints Replacing with DPC tar in foundation Bathroom floors to prevent water seepage
APPLICATION DATA	
METHOD	Roller, Brush
THEORETICAL COVERAGE	8 - 10 Sq.ft/kg. This could vary and will depend on the texture and porosity of the substrates. It is possible to build up a final dry film thickness of 1.0 - 1.2 mm per coat. Two coats are recommended. It is high recommended to use Flex 400 as a sandwiched layer.
RECOMMENDED FILM THICKNESS	2 - 3 mm
DILUTION	Not recommended
SURFACE PREPARATION	Surface must be sound, clean, as dry as possible and free from all defective or poorly adhering material, dirt, grease or wax. Wire brush the surface thoroughly & clean the dust by vacuum. Wash the surface with clean water. Oil & grease must be removed using degreasing solvents or suitable detergent. Any damaged surfaces must be repaired by using mortar with construction grout.
METHOD OF APPLICATION	<u>Mixing</u> Mixing Powder part (A) and Liquid Polymer (Binder) part (B) in a 5:3 (w/w) ratio. Use heavy-duty slow speed drill fitted with mixing paddle is recommended for the uniform mixing. Shake the liquid component well prior to mix. Slowly add the powder component to the liquid under continuous stirring to achieve lump free homogenous slurry. <u>Application</u> Apply the 1 st coat of the mixed FLEX 400 on prepared surface to build up a dry film thickness of 1.0 -1.2 mm and allow drying at least 45 minutes. Apply 2 nd coat in 90 ^o direction to the properly dried Flex 400 first coat .

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- *It is extremely important that the area being applied is shaded from direct sunlight and wind to prevent rapid drying of the coating.*

To fill large gaps (topping screen over 4 - 5mm) and wall joints place a non-woven polyester, polypropylene net or fiberglass mat before drying the 1st layer. Keep it for 24 hours to dry, then apply second coat perpendicular to the first coat.

It is highly recommended to laying concrete or rendering to prevent the physical damages of Nippon FLEX 400 waterproofing layer.

Sprinkle coarse sand on the Flex 200 2nd coat when it is wet, to provide key for subsequent plaster coat.

- *In tiling, it is strongly recommended to render the FLEX 400 layer before laying the tiles (Floor & Wall tiles). This will help to prevent physical damaged and increase to proper bonding with the substrate.*

DRYING TIME

Surface drying 40 minutes at 30°C ± 2°C and RH 65 % ± 5%

Hard Dry 24 hour max at 30°C ± 2°C and RH 65 % ± 5%

OVERCOATING TIME

45 minutes minimum, based on normal conditions

CLEANING

All equipment should be cleaned with water immediately after use.

GENERAL INFORMATION**PACKING**

1kg, 5kg, 10kg & 20kg

STORAGE

Store in a tightly sealed container in a cool dry places

SHELF LIFE

Up to 2 years in a tightly sealed container

PRECAUTIONS

Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment. Keep the product out of reach of children.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

ENQUIRIES CONTACTS:

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