

Weberprim NB

Two-component fillerized, natural base epoxy primer



Weberprim NB is a solvent-free, two-component epoxy resin filled with filler. It serves as a surface treatment layer, skim coat, build body for epoxy systems and can also be used in a water retaining structure. Weberprim NB can be applied at thicknesses ranging from 0.1 mm - 3 mm.

PRODUCT BENEFITS



SOLVENT FREE



PRIMER



CHEMICAL RESISTANT

USES

Weberprim NB is ideal for industrial floors, warehouses, chemical plants, manufacturing areas, car parks and swimming pools (concealed). It doubles as a primer and skim coat, capable of adjusting substrate surface roughness by mixing with silica sand.

ADVANTAGES

- Solvent free, low odour and VOC
- Seamless
- Hygienic finish
- Excellent chemical and abrasion resistance

TECHNICAL DATA & PHYSICAL PROPERTIES

Finishing	Gloss
Density @ 28°C	1.40 ± 0.05 g/ml
Adhesive Strength	>2.0 N/mm ²
Tensile Strength	25 N/mm ²
Compressive Strength @ 28 days	55 N/mm ²
Flexural Strength	35 N/mm ²
Shore D Temperature	75-82
Service Temperature	1 °C to 75 °C (≥2mm and above ±0.5mm)
Water Permeability (Karsten Test)	Nil
Cytotoxicity	<0.5
Taber Abraser Wear Index (ASTM D 4060-10)	37 mg
Dissolved Oxygen Difference (BS 6920: Part 1: 2000)	<2.39 mg/L
Pot Life	30 mins
Curing Time	

	15°C	25°C	32°C
Human Traffic	24 hours	20 hours	18 hours
Light Traffic	36 hours	30 hours	24 hours
Full chemicals cure	10 days	7 days	7 days

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

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CONSUMPTION

Approx. 1.4 kg/m² @ 1mm

PROCEDURE & APPLICATION



Substrate Preparation

All surfaces must be clean, sound and free from laitance, oil, grease and free from any contaminants. Ensure that substrates have a minimum compressive strength of 25N/mm² and adhesive pull-off strength of 1.5N/mm². The substrate should be dry and free from ground water pressure.



Mixing

Stir Weberprim NB Part A for 30 seconds using a suitable electrical stirrer (750-watt high-power mixer), then pour Part B into Part A and mix thoroughly for approximately 1.5 minutes until a homogeneous mixture is achieved.



Application

Apply Weberprim NB @ 0.2kg/m² as a primer to seal the substrate porosity. Weberprim NB cures within 14 to 24 hours. Then, allow the application of Weberprim NB. Spread the composite matrix with a notched squeegee or pin rake, setting it to the correct depth or required thickness. Immediately release any air bubbles by using a spike roller.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Weberprim NB. Regular cleaning using a single or double-headed rotary scrubber with an alkaline detergent is recommended.

PRECAUTION

Do not apply when the relative humidity exceeds 90% or when the surface to be coated is <5°C above the dew point. Do not apply when temperatures are <10°C and >40°C.

STORAGE & PACKING

Weberprim NB is available in 20 kg sets. (Part A – 17 kg pail + Part B – 3 kg pail). Shelf life of 12 months if unopened, and kept in dry and cool conditions.

HEALTH & SAFETY

Good ventilation is required, if not, a portable exhaust fan shall be used. Wear protective clothing, gloves, and goggles during mixing and application process. Handle with care and in the event of eyes and skin contact, wash with plenty of water, and seek medical attention if irritation persists. Please keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jul'24)

