

Two component epoxy adhesive for difficult surfaces.

DESCRIPTION

Hi Bond Adhesive is a two component epoxy based bonding agent for binding various materials such as PVC, EPDM, Rubber, Fibre Glass, polypropylene etc., to hardened concrete.

PRIMARY USES

Hi Bond Adhesive is useful in sealing of construction joints, expansion joints, connecting joints, cracks, gaps and crevices with desired materials such as rubberised sheets. This product is very useful in sealing joints in the pipes, concrete tanks, tunnels, bridge decks, water tanks, reservoirs, silos, junctions of concrete and PVC piles and sleeves, waterproofing detailing in corners and edges of bathrooms and toilets etc.

ADVANTAGES



The product is root resistant and chemical resistant



It is user friendly and easy to apply



DIRECTIONS FOR USE

Contact surfaces must be dry and clean, free from dust, dirt, oil, grease and other contaminants, which impair adhesion. Concrete must be at-least one month old. To achieve good results concrete surface should be mechanically abraded. Mix base and reactor components of Hi Bond Adhesive by mechanical means to get a paste of uniform colour and consistency. Apply this Hi Bond Adhesive paste on the sides of the joints to be sealed uniformly with a spatula or a notched trowel to a width of minimum 20 mm and a thickness of 1 - 2 mm. The contact edges of the sheet to be bonded should be wiped with this adhesive paste and if desired holes can be punched on these edges for added anchorage. Press the sheet edges on to the edges of the joint with excess width of un-bonded sheet to allow for expansion and contraction at later stage. Hold the sheet in position till the adhesive hardens.

Note

Heat is generated in the mixed paste after it reaches its setting time. This heat could make the container too hot to hold. The ambient temperature has great influence on the setting times of Hi Bond Adhesive. At elevated temperatures it has tendency set faster and at low temperatures it setting time is delayed. The setting times can be adjusted to the work speed by reducing the reactor content by 5 to 10% during summers and by reducing the base content by similar percentages during cold weather.

TYPICAL PROPERTIES

Colour of Base	:	Light Brown
Colour of Reactor	:	Light Brown
Colour after Mixing	:	Light Brown
Colour after Curing	:	Light Brown
	:	Base 1.56 gm/cc
Specific Gravity	:	Reactor 2.12 gm/cc
	:	After Mixing 1.84 gm/cc
Mixing Ratio	:	1:1 by Weight
Pot Life at 250c	:	45 minutes
Flash Point	:	200º C
Tack Free Time	:	Appox 6 hours
Full Cure	:	7 Days
Compressive Strength	:	80 n/mm ²
Tensile Strength	:	30 n/mm ²
Flexural Strength	:	30 n/mm ²
Bond Strength	:	In Concrete 2.5 n/mm2(failure in Concrete) in Steel 15 n/mm2
Storage Condition	:	Between + 10°c to +35°c

COVERAGE

1 kg Hi Bond adhesive covers 0.55 m² if applied to a thickness of 1mm and about 0.27 m² if applied to a thickness of 2 mm.

PACKING

Hi Bond Adhesive is available in 1 Kg, 5 Kg and bulk.

SHELF LIFE

Hi Bond Adhesive has a shelf life of 12 months if stored in cool and dry conditions in the temperature range of +10°C to +30°C.

DISCLAIMER

KANSAI NEROLAC PAINTS LTD. (KNPL) warrants that all products are free from any defects of manufacturing and comply with the specification given in their respective technical data sheet. No warranty can be given as to the results of use because conditions of use, such as site conditions, surface preparations, workmanship, weather, structural issues and other factors are beyond the control of NEROLAC. Purchaser agrees to seek the advice of qualified professionals to carry out tests and take trials to determine the suitability of products for their intended purpose, prior to full scale usage of **KNPL** products and assumes all risks.

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