

High Tack Adhesive Sealant

DESCRIPTION

TIKIFIX NF is specially designed to bond **TIKISWELL** range of TIKIDAN Swellable Water Bars to the concrete construction joints and penetrations that require waterproofing.

TIKIFIX NF adhesive is tolerant to damp surfaces and develops incredible bond strength, even on damp concrete surfaces and can be used in all seasons.

TIKIFIX NF is a high tack and strong grip adhesive sealant based on elastomeric polymer technology. The instant grab technology eliminates the need for bracing, nailing, screwing and other fixtures.

TIKIFIX NF is solvent and silicone free and non-staining to the substrates. It has an excellent U.V, weather and temperature resistance and excellent adhesion over a wide variety of substrates. If requires, it is paintable with most common industrial paints.

APPLICATIONS

TIKIFIX NF is use to bond **TIKISWELL** range of TIKIDAN Swellable Water Bars at construction joints, penetrations, concrete joints between precast elements, casting and header joints in concrete, etc.

It is Ideal for direct bonding of various heavy construction materials.

It is also suitable to bond bathroom accessories, panel, skirting board, windowsills, stripes, thresholds, mirrors and isolating materials.

It is also widely use in coach work and metal connecting joint in shipbuilding industry.

ADVANTAGES

- Quick cure and ease of application using cartridge gun - enables early concrete pour and rapid return to service.
- Good resistant to abrasion including foot traffic.
- Good adhesive bond with common construction substrates without the need of primer.
- Good chemical resistance against water, aliphatic solvents, oils, fat, dilute inorganic acids and alkalis.
- Permanently flexible.
- Shrinkage free.
- Non-staining.
- Tolerant to damp surfaces.
- High movement accommodation.
- High U.V and aggressive atmosphere resistance.
- Anti-fungus and mildew resistant.
- Environmentally friendly.
- Excellent low temperature gunnability.
- Improved gun and tooling characteristics.

PROPERTIES

PROPERTIES	VALUES
Curing System	Moisture Curing
Colour	White
Density	1.50 ± 0.10 g/mL
Skin Over Time	10 to 15 minutes
Curing Time @ 23°C & 50% RH	≈24 hours (for 4- 6 mm bead)
Tensile Strength (ASTM D412)	≥ 3 mPa
Elongation at Break (ASTM D412)	≥ 300%
Shore A Hardness (ASTM C661)	≥ 50
VOC Content	≤ 4%
Application Temperature	5°C to 40°C
Service Temperature	-30°C to 100°C

SPECIFICATIONS

TIKIFIX NF conforms to ASTM C920 & ASTM C1248 (for Non-Staining).

APPLICATION METHODOLOGY

SURFACE PREPARATION

Ensure, all surfaces are clean, dry, and free from loose dirt, dust, laitance, oil, grease or other contaminants, which may impair adhesion. For a neat finish, apply masking tape & remove it before material has skinned.

APPLICATION

Cut conical tip off cartridge end-thread, screw on nozzle and cut nozzle at 45° to required bead-width. Place cartridge into sealant gun and apply like a conventional sealant.

When used as adhesive, apply to substrate with cartridge gun in desired bead-width. Firmly extrude the adhesive ensuring complete contact with substrate.

Ensure the width of the applied adhesive is slightly larger than the width of the material to be adhered.

There must be enough adhesive so that when the material to be bonded is pressed into the adhesive, the adhesive squeezes out from the sides and does not leave any void between them.

Do not allow time for the adhesive to form a skin. Allow adhesive to dry completely before putting the bonded system in service.

When used as sealant, firmly extrude the material in to the slot ensuring complete contact with the joint faces. Tool the sealant within 10 minutes shortly after application but before skin formation to ensure good contact with joint faces. Use approved backing material for joints over 10mm deep.

Uncured material can be cleaned up with mineral spirits or suitable solvent.

STORAGE

TIKIFIX NF must be stored in dry place under the shed and protected from extremes of temperature. Store below 30°C.

SHELF LIFE

TIKIFIX NF has a shelf life of 12 months in the original packaging when stored as above.

SUPPLY

TIKIFIX NF is supplied in 310 ml plastic cartridge packed in boxes of 25 cartridges.

SAFETY PRECUATION

Uncured product can cause skin and eyes irritation upon contact. As with all chemical products, care should be taken during use & storage of **TIKIFIX NF**.

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