



# TECHNICAL DATA SHEET

## TILE DOCTOR URO-SEAL

### **PRODUCT DESCRIPTION & USES:**

Tile Doctor Uro-Seal is a twin-pack aliphatic polyurethane product, which is abrasion resistant, UV stable and anti-slip; designed for the protection of low to medium porosity flooring materials, for interior and exterior use. Tile Doctor Uro-Seal is not a surface sealer and, correctly applied, will not wear, peel or scratch. This product penetrates into the surface pores, forming a highly chemical resistant barrier to water, vegetable, animal and mineral oils and stains.

Tile Doctor Uro-Seal will not yellow and may be used on all suitable interior and exterior applications. It is unique in respect of longevity, stain repellence, and cost effectiveness. May be applied in situations where colour-enhancement is desired because it slightly darkens absorbent surfaces and brings out the natural colour.

Tile Doctor Uro-Seal is a protective sealer for sanded grout, limestone, low/medium porosity terracotta, slate, sandstone, cement, concrete tiles, quartzite, pre-cast cement, quarry tiles, terrazzo, stone, cement floors etc. Tile Doctor Uro-Seal, can be used in or on kitchens, patios, showers, garages, restaurants, driveways, graffiti protection, pool surrounds, walls, bathrooms, floors, barbeque areas etc.

### **GENERAL DATA & CHEMICAL PROPERTIES:**

Product Code	:	NTDRUSA (Base)
	:	NTDRUSB (Catalyst)
Type	:	Resin
Viscosity @ 23°C	:	Thin Liquid
Specific Gravity	:	0.85 – 0.95
Solids Content by Mass	:	5% – 15%
Touch dry @ 25°C	:	2-4 hours depending on temperature
Re-coating time	:	4 Hours depending on temperature
Full cure	:	7 days
Shelf life	:	12 months
Coverage	:	8-10m <sup>2</sup> /lt depending on surface porosity

### **GENERAL PRINCIPLES FOR SEALING:**

- Read instructions carefully before starting
- Do not apply to hot tiles or in full sunlight. Preferably apply to tiles in the early morning or evening when tiles have cooled.
- Do not seal exterior surfaces if it's going to rain within 48 hours.

### **SURFACE PREPARATION PREVIOUSLY TREATED SURFACES:**

- All surfaces must be completely clean, free from loose dirt and dust, oil, old polishes, sealers, laitance, grout or cement stains.
- The correct Tile Doctor product should be used to strip any old sealers, polishes or to remove dirt.
- Wash the surface several times and allow to dry out completely for at least 24-36 hours before sealing.
- Important: Do not seal if moisture is present.
- Do moisture test (as described below).

### **SURFACE PREPARATION NEW SURFACES:**

- If tiles have been laid in tile adhesive, allow at least 10 days before sealing (do moisture test).
- If tiles have been laid in cement, allow at least 4 to 6 weeks before sealing (do moisture test).
- Clean off cement or grout with Tile Doctor Lift Off, then neutralize with Tile Doctor Super Power Clean, wash the surface several times with clean water.
- Leave to dry completely, for 24-36 hours prior to sealing.
- Important: Do not seal floors if moisture is present.
- Do moisture test (as described below).

### **MOISTURE TEST:**

- To test whether your surface is dry, place a piece of clear plastic onto the floor in the centre of a tile, tape the edges of the plastic with masking tape.
- Leave on the floor overnight and remove the next morning.
- The patch underneath should be the same colour as the rest of the surface. If the patch is darker or there is any evidence of moisture, the surface is still wet.
- Leave to dry completely before sealing.

### **PREPARATION**

- Tile Doctor Uro-Seal is supplied in two parts, namely Part A, the Base and Part B, the Catalyst and is mixed in a ratio of 1 part Catalyst (Part B) to 4 parts Base (Part A).
- If smaller quantities are needed mix (same ratio 1-4 parts) in a clean, dry container.
- Stir the contents of Part A (Base) thoroughly into the tin of Part B (Catalyst), without creating bubbles, for at least 2 minutes.
- Mixed components must be discarded if not used within 4 hours by absorbing into sand.

### **APPLICATION:**

- Inconspicuous areas should be tested to establish suitability of the product for the purpose intended. It is up to the user to determine such suitability prior to application.
- Product should not be mixed with other chemicals.
- Do not use at temperatures below 5°C.
- Tile Doctor Uro-Seal should be applied to a **dry surface** by means of a lambswool applicator or lint free cloth.
- The product should be applied thinly, working along the joint lines and should be forced into the surface being sealed with firm, long strokes.
- Additional coats of Tile Doctor Uro-Seal may be made after 4 hours, if extra protection is required or if the surface is quite porous.
- The intention should be to seal below, or at the surface, so that the sealer does not leave a shiny, potentially slippery surface.
- Any excess product that may have pooled on the surface should be wiped away immediately.

### **Note:**

- In cases of extreme porosity, two coats of Tile Doctor Hydroseal may be applied followed by two or more coats of Tile Doctor Uro-Seal to give improved protection.

### **SPECIAL PRECAUTIONS:**

- If in doubt as to the porosity of the surface, contact our Technical Department before commencing.
- Do not apply in direct sunlight or if rain is expected within 48 hours.
- It is important to have damp proof plastic membrane beneath concrete to prevent rising dampness.

### **DRYING TIME:**

- Touch dry after 2 to 4 hours.
- May be used for foot traffic after 12 hours.
- Best results are obtained if the treated areas are kept dry and free from staining materials for at least 72 hours.

- Full chemical resistance only develops after 7 days.
- Do not wash floors for 7 days until chemical resistance has been reached.
- Drying times may be extended during wet or cold weather.

#### **CLEAN UP:**

Use Nova 11 Brush Cleaner & Degreaser.

#### **Note:**

Do not use white spirits as this will gel the product.

#### **STORAGE:**

- Keep out of reach of children, pets and uninformed persons.
- This product is flammable and should be stored in a cool, dry place at 8°C-25°C away from heat, flames and sparks.

#### **HEALTH & SAFETY MEASURES:**

##### **Cautionary Statement:**

All household and industrial chemicals and solvent based products should be treated as potentially hazardous, whether they are labeled so or not. Deliberate misuse of inhalation of vapours of products containing solvents without adequate ventilation, may cause eye watering, weakness, fatigue, nausea, headaches or dizziness. We recommend the use of protective equipment including a full face mask (EN136) and AB2EKIP3 plastic filter cartridge if working in confined areas.

##### **Solvent-based Products**

- This material is essentially hazardous (contains solvents).
- Always keep product out of reach of children and animals.
- Flammable. This product should be stored in a cool, dry place 8°C - 25°C away from heat, flames and sparks.
- Keep container closed when not in use – check for leaks.
- Ensure good ventilation during application and drying.
- Do not smoke whilst applying this product.
- Use caution when opening. Due to variations in temperature, the contents of the container may be under pressure. Close container after each use.
- Brushes and rollers soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, clean brushes and rollers or place in sealed containers filled with water.

##### **First Aid Measures:**

- Eye contact – take care to avoid contact with eyes. In case of contact, immediately rinse the eyes with plenty of water (15 minutes) and seek medical advice.
- Skin contact - if accidental contact with skin should occur, wash the area immediately with warm, soapy water or with a recognized skin cleaner.
- Ingestion (Accidental Swallowing) – harmful if swallowed. Drink 3 – 5 glasses of water. Do not induce vomiting. Call your local poison centre or local doctor.
- Inhalation – do not inhale solvent fumes. Always work in a well ventilated area.

##### **Transportation:**

- This product is classified as Dangerous Goods by Dangerous Goods Code for Transport by Road or Rail. Care must be taken to secure product during transportation to avoid spillages.

##### **Accidental Spillages:**

- Prevent run off into drains and waterways. Use absorbent soil or sand, inert material. Collect in container for disposal.
- Disposal recommendation – do not pour left over product down drains. Unwanted product should be disposed of by a Waste Company. Advice product is of a flammable nature.

##### **Fire Fighting Measures:**

- Specific Hazards – Flammable liquid – extinguish with foam, dry agent (carbon dioxide, dry chemical powder).

**Ecological Measures:**

- Avoid contaminating drains, sewers, rivers, etc.

Material Safety Data Sheet available on request

**MANUFACTURERS OF GENKEM \* NOVA \* BOURNE \* SANDTEX \* TILE DOCTOR**

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**DIY Problem ... Ask Genkem****DISCLAIMER:**

*This information, based on our expertise and tests, is believed to be reliable and is given in good faith, but without warranty. We cannot accept liability for any damage, loss, accident, and patent infringement or for operations not under our direct control resulting from the use of this information. We recommend that purchasers carry out their own tests, to determine to their own satisfaction, the suitability of any product for their particular purpose. As this product is used outside of our control, we cannot accept liability for any loss or damage whatsoever.*