

## TAR-O-THANE 2

### BLACK POLYURETHANE WATERPROOFING COMPOUND

#### DESCRIPTION

**TAR-O-THANE 2** is a two component, high quality purified coal tar and polyurethane polymer based ideal waterproofing compound. It stops leakages through porous substrates and lasts for a longer period than plain bituminous compounds. It is easy to apply and economical than multilayer bituminous felts. After curing, it forms an impervious, tough, waterproof and weather durable membrane. Though black in color, it does not melt like bitumen due to the heat of the sun. Unlike tar which needs to be applied year after year, Tar-O-Thane 2 lasts for longer. Once applied, one need not worry about leakages for years to come.

#### TECHNICAL INFORMATION

##### CHARACTERISTICS

Nature	: Two component liquid
Color	: Black
Mixing ratio by volume	: Part I: Part II, 92: 8
Pot life at 30°C	: 1 hour
Drying time	: 6-8 hours
Re-coating time	: 10-12 hours
Complete Curing Time	: 72 hours
Finish	: Smooth and glossy
Adhesion on Concrete Steel, Techoxy-3 applied	
Surface	: Excellent
Flexibility	: Good
Dry Film Thickness	: On concrete- 40-45 microns / coat On metal 25-30 microns / coat
Coverage	: Concrete Surface 40-45 sq.ft. / Liter / coat Steel Surface 70-75 sq.ft. / Liter / coat
Paintability	: with Aluminum Paint

#### TYPICAL APPLICATION

##### WATERPROOFING

- Building roof terraces- flat or sloppy, corrugated AC sheet roofing, sunken portions of toilet
- Cement Concrete, steel water storage tanks from outside.

##### AS PROTECTIVE COATING

- Building foundation, pipelines, bituminous coating or tar felt.

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#### FEATURES / ADVANTAGES

- Tar-O-Thane 2 is applied cold, no heating is required
- Chemically curing type, no external curing required
- Can be used on existing bitumen / tar felt for repairing
- Bonds strongly to cement concrete, asbestos and steel surfaces
- Remains unaffected by UV light and weathering exposure
- Resistant to water, dilute acid, dilute alkali and salt solutions
- Cures to a tough, and abrasion resistant coating
- Resistant to fungus and micro organism growth
- Gives excellent adhesion on old bituminous surfaces

#### DIRECTION FOR USE

##### SURFACE PREPARATION

Surface preparation is of great importance and will affect the degree of adhesion and life of the coating. The surface should be sound, dry, and free of oils, greases and dust. Remove the laitance and loose particles by wire brushing. Previously applied bituminous compound / coating should be removed to the extent possible. The new concrete / plaster should be cured with water for minimum 28 days. Open the surface crack of more than 1 mm wide into a joint / groove of size 5 mm x 5 mm or 10mm x 10mm. Clean the dust by washing it with water. Allow the surface to dry. If the structure is too old and saturated with dirt, treatment with 15-20% dilute hydrochloric acid is recommended with thorough wire brushing. Wash the surface with water till neutralization. Allow the surface to dry completely.

##### A. WATERPROOF OF RCC / IPS / SURKI ROOF TERRACES - FLAT OR SLOPPY AND PARAPET WALLS

1. Seal the cracks and joints with Polysulphide Sealant with **Techseal RDL-940/941** and **Primer RDL 942**. Allow it to cure for min. 24 hours.
2. Apply one coat of **Techoxy-3**, water dilutable epoxy coating as primer coat. Being water based, it penetrates deeply into the concrete surface, seals the porosity, network of micro cracks and strengthens the surface.
3. Apply two coats of **Tar-O-Thane 2** by brush at an interval of 10- 12 hours (before mixing part II with part I). Stir well in their individual containers.
4. One coat of aluminum paint or Techcoat 61-P can be applied in order to reflect the heat of the sun.

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#### B. WATERPROOFING OF ASBESTOS SHEET ROOFING

1. Seal the cracks, joints of two sheets and 'J' bolts with Polysulphide Sealant- Techseal RDL -940 and Primer RDL 942/947. Allow it to cure for min. 24 hours.
2. Apply one coat of **Techoxy-3**, water dilutable epoxy coating as primer coat.
3. Apply one coat of Tar-O-Thane 2 or two coats of Tar-O-Thane 2 directly (instead of Techoxy)
4. One coat of aluminum paint can be applied in order to reflect the sun heat.

#### C. WATERPROOFING OF TOILET SUNKEN PORTIONS

1. Seal the joints of pipes, walls to floors with Polysulphide Sealant, TECHSEAL RDL- 940 and Primer RDL-942. Allow it to cure for min. 24 hours.
2. Apply one coat of **Techoxy-3**, Water Dilutable Epoxy coating as primer coat.
3. Apply one coat of Tar-O-Thane 2. Sprinkle clean and dry silica sand on wet coat of Tar-O-Thane 2. Press the sand with trowel / hand. Allow it to cure for min. 72 hours before doing brickbat- coba. Use Integral Waterproofed in Cement Mortar of Brick-Bat-Coba.
4. Fix the tiles with a "Fix Tile" adhesive and "Spectrum - Tile - Mate-7" for tile joints.

#### D. PROTECTION OF PIPELINES AND METAL STORAGE TANKS FROM EXTERNAL

1. On steel pipes first apply one coat of Zinc Chromate / Zinc Rich / Red oxide Epoxy resin based anti-corrosive primer.
2. Apply two coats of Tar-O-Thane 2 at an interval of 10-12 hours.

#### E. REPAIRING OF OLD BITUMINOUS COATINGS / FELTS

1. The basic bituminous coating / felts should be strong enough. Wire-brush the surface to remove loose particles and make the surface rough.
2. On porous surfaces apply two coats Tar-O-Thane 2 at an interval of 10-12 hours.
3. For repairing cracks of Tar Felt, wire brush the crack and adjoining area. Clean the dirt and dust. Apply one coat of Tar-O-Thane 2 when in wet condition place glass fiber tissue. Sheet lengthwise on the crack and press it. Then apply one additional coat of Tar-O-Thane 2 on tissue sheet.

#### OVER PAINTABILITY

Tar-O-Thane 2 can be over coated by **Techcoat 61-P**, white PU. waterproof coating and

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Aluminum Paint.

### THINNER

Tar-O-Thane 2 is normally supplied at application viscosity. However 5 to 7% of thinner solvent, Toluene can be used to overcome the problem of quicker drying due to hot substrate and sun heat.

### CLEANING

Tools and equipment can be cleaned immediately with solvents like xylene, acetone etc.

### STORAGE AND SHELF LIFE

12 months shelf life if stored between 35<sup>0</sup> C in unopened container. After opening, it should be used immediately.

### PACKING

1 liter, 4 liters, 20 liters

### PRECAUTIONS

1. Some people are sensitive to tar, resins, hardeners, solvents, and its vapours, so it is advisable to use hand gloves and goggles.
2. While application, proper ventilation should be provided.
3. Avoid application below 10<sup>0</sup>C surface temperatures. At low temperatures, drying and curing periods will be prolonged.
4. Avoid application on damp or moist conditions as it will create blister for motion problem.
5. Tar-O-Thane 2 should not be used for coating interior surface of potable water tanks, as it gives a smell of tar.