

**SAFETY DATA SHEET**  
**PRODUCT: EPOXY TACK PRIMER**

**DATE: 23/09/17**  
**VERSION: 1.0**

**1. PRODUCT IDENTIFICATION /DESCRIPTION**

Preparation/Product Name: Epoxy Tack Primer

Description: PCMN Epoxy Tackprimer has been developed for use in conjunction with Epoxy Mortar for concrete repair operations, and with seamless epoxy floor toppings. The product exhibits outstanding adhesion to concrete and other surfaces.

Epoxy Tackprimer is supplied as a two pack system, comprising pre-weighed amounts of BASE and CURING AGENT components.

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS NO	RISK PHRASES
BISPHENOL	25068-38-6	R36/38,43,51,53
POLYAMIDE	68410-23-1	R36/38,43,51,53

**3. HAZARD IDENTIFICATION OF THE PRODUCT**

Flammable.

Skin Irritation: A single exposure to skin is unlikely to cause irritation.

Eye Irritation: irritating to eyes.

Sensitization: May cause sensitization by skin contact.

Ingestion: Oral toxicity is low .No hazard is expected from normal industrial exposure.

Inhalation: Exposure to vapour at elevated temperature may cause irritation to respiratory tracts.

Skin: harmful in contact with skin

Eye Contact: irritating to eyes

**4. FIRST-AID MEASURES**

Eyes: Hold the eyes open and rinse with water for a sufficiently long period of time (at least 15 minutes). Contact an ophthalmologist.

Skin: Remove all contaminated clothes and foot wears immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Consult a doctor in the event of a skin reaction

Ingestion: DO NOT induce the patient to vomit if conscious. Wash out mouth with water. Drink water in small sips (Diluting effect) .Medical advice is required.

Inhalation: Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing medical advice is required.

Other: General advice: take off all contaminated clothing immediately.

## **5. FIRE-FIGHTING MEASURES**

Extinguishing Media: Carbon dioxide (CO<sub>2</sub>), Foam, extinguishing powder or water spray to cool containers.

Fire Fighting Procedures: During fire-fighting respirator with independent air supply and airtight garment is required.

Hazard: Burning releases carbon monoxide, carbon dioxide, and oxides of Nitrogen. In the events of fire and/or explosion do not breathe fumes.

## **6. ACCIDENTAL RELEASE MEASURES**

Spill Procedures: Do not allow to escape to drains, surface water, ground water and soil.

Waste Disposal Methods: Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).

After approximately one hour, transfer to waste container and do not seal (CO<sub>2</sub> evolution). Keep damp in a safe ventilated area for several days.

## **7. STORAGE AND HANDLING PRECAUTIONS**

Handling: Ensure there is sufficient ventilation of area. Do not handle in a confined space. Keep away from heat. Smoking is forbidden. Do not breathe vapour. Avoid contact with skin and eyes.

Storage: Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C. PCMN SF Coating has a minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturer's instructions. Keep container dry and tightly closed in a cool and well ventilated place. Ensure lighting and electrical equipment is not a source of ignition.

WARNING: Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION**

Ventilation: The work place should be well ventilated.

Protective Gloves: Gauntlet type of gloves of nitrile rubber or butyl rubber is recommended. For short time contact PVC is suitable.

Eye Protection: Wear safety goggles.

Respiratory Protection: Suitable respiratory equipment required in insufficient ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Other Protective Equipment: Wear suitable protective clothing for skin and body Protection.

Hygiene: Keep away from foodstuffs, drinks, and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately.

Take off all contaminated clothing immediately.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State Liquid

Specific gravity 1.15-1.25Kg/l

Solubility in water: Immiscible

Gloss level: High

Mix ratio: 1.87kg Base: 1.1 kg Curing agent.

Pot life: 30-40 mins @ 25 C

Coverage : 3.5-7.0m<sup>2</sup>/kg depending on surface texture.

Curing Time @ 25C:

Touch Dry: 4hrs.

Hard Dry: 12hrs

Shelf life; up to 12 months.

## **10. STABILITY AND REACTIVITY**

Hazardous reactions: Exothermic reaction with amines and alcohols; In closed container under high temperature, risk of bursting owing to increase of pressure.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

## **11. TOXICOLOGICAL INFORMATION**

Toxicological studies. Result not available.

Information based on experience: Human beings: vapour acts as eye and respiratory tract irritant. Vapour can cause depression of the central nervous system (headache & sleep disturbance).

## **12. ECOLOGICAL INFORMATION**

Do not allow to escape into waterways, waste water or soil.

## **13. DISPOSAL CONSIDERATION**

Do not allow into drains or water courses. Wastes and empty containers should be disposed off in accordance with regulations under the control of pollution agency and environmental protection agency.

N.B: Disposal of paints and thinners is controlled by National regulations. Please refer to Local office for current statutory regulations.

## **14. OTHER INFORMATION**

### **Risks Phrases**

R36/37/38 Irritant to eyes, respiratory system and skin.

R42/43 may cause sensitization by inhalation and skin contact

### **Safety Phrases**

S28 After contact with skin wash immediately with plenty of soap and water.

S37/39 Wear suitable gloves and eye protection.

S61 Avoid release to the environment. Refer to instruction on safety data sheet.

## **15. SAFETY PRECAUTIONS**

Company Disclaimer:

The information provided in this safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information is given without acceptance of liability for loss or damage attributed to reliance thereon as conditions of use lie outside our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**Issued: 01/06/2012**

## **TECHNICAL DATA SHEET**

### **EPOXY TCKPRIMER**

**PRODUCT DESCRIPTION:** PCMN Epoxy Tackprimer has been developed for use in conjunction with Epoxy Mortar for concrete repair operations, and with for seamless epoxy floor toppings. The product exhibits outstanding adhesion to concrete and other surfaces. Epoxy Tackprimer is supplied as a two pack system, comprising pre-weighed amounts of BASE and CURING AGENT components.

**INTENDED USES:** As a primer for concrete prior to the application of Epoxy Mortar .  
As an adhesive for bonding new to old concrete e.g. resin bonding new floor toppings to old concrete. As a protective treatment to exposed steel re-enforcement

#### **PRACTICAL INFORMATION**

**Colour :** Clear

**Gloss Level:** High gloss

**Theoretical coverage:** 3.5-7.0m<sup>2</sup>/kg depending on surface texture.

**Specific Gravity:** 1.15-1.25Kg/l

#### **Curing Time @ 25°C(77° F)**

Touch dry after 6 hours

Hard dry after 12 hours

**Shelf life:** Up to 12 months

**Cleaner Thinner:** THN/1003

#### **SURFACE PREPARATION**

a. Concrete surfaces shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, and existing paint finishes etc. Suitable mechanical treatment such as vacuum grit blasting or mechanical scabbling is recommended to ensure the removal of contaminants and to provide a mechanical 'key' for the Epoxy Tackprimer

b. Steel reinforcement shall be abraded, wirebrushed etc. to remove all traces of rust. Priming should immediately follow preparation to obviate the possibility of flash rusting. Concrete shall be a minimum of 21 days old and/or the residual moisture

## **APPLICATION**

Apply by brush or roller at a nominal rate of 0.15 to 0.30kg/m<sup>2</sup>.

Ensure that the surface is thoroughly wetted out.

Allow the primer to 'tack up' for a minimum of 10 minutes prior to the application of subsequent treatments.

Please refer to the Epoxy Mortar product data sheet as appropriate.

Note: In thin section the primer will remain 'open' for 90 minutes @ 25°C, within which time subsequent application should be carried out. Should this period be exceeded then the surface must be re-primed prior to continuing.

**Working Pot Life:** 30-40 mins @ 25°C

### **Mixing**

Epoxy Tackprimer is supplied in pre-weighed containers ready for mixing.

Pour the contents of the CURING AGENT tin into the BASE container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved.

**Mix ratio:** 1.87kg Base: 1.1kg Curing Agent.

**WORK STOPPAGES** Thoroughly flush all equipment with PCMN THN/1003. All unused material that has not been mixed should be stored in tightly closed containers. Partially filled container may show viscosity increase of material after storage. Clean equipment with THN1003 prior to curing of the coating.

### **Curing**

Touch Dry: 4hrs.

Hard Dry: 12hrs

## **HAZARD IDENTIFICATION**

**Main Hazard:** Flammable , Harmful by inhalation and in contact with skin.

## ***HANDLING AND STORAGE***

**Handling requirements:** Ensure there is sufficient ventilation of area.

Do not handle in a confined space. Avoid the formation or the spread of mist in the air. Smoking is forbidden. Use non sparking tools.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from source of ignition. Prevent the buildup of electrostatic charge in the immediate area. Ensure lighting and electrical equipment is not a source of ignition.

**Suitable packaging:** Must only be kept in original package.

## ***DISPOSAL CONSIDERATION***

Disposal of packaging: Arrange for collection by specialized disposal Company.

NB: The user's attention is drawn to the possible existence of regional Or national regulations regarding disposal.



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