

# BUILDING CHEMICALS SPECIALISTS

## CTW

### Damp Surface Primer Sealer

#### Product Data

**C.T.W.** Damp Surface Primer Sealer is a remarkably successful moisture compatible **epoxy resin** priming sealing system comprising a very simple to mix and use twin-pack coating which can be applied directly to damp, or wet surfaces (standing water having been removed) for receiving subsequent coverings or coatings etc, which are unable to tolerate immediate contact with moisture. Further it offers a tough, resilient, impermeable brush/roller applied covering for protection of steelwork, walls, floors etc, from corrosive, fume and splash. With the addition of non-slip aggregates (average 15-20 g/m<sup>2</sup>) two coats gives a very efficient slip-resistant surfacing for steps, ramps and general floor areas. . It is according **the European Standard EN 13813 Screed materials and floor screeds - Screed materials - Properties and Requirements**

#### Typical Uses

**C.T.W.** Damp Surface Primer Sealer is used for painting on to metal, concrete, screeds, brickwork etc, as a protective coating. **C.T.W.** Damp Surface Primer Sealer has a wide resistance to inorganic acids, alkalis, salts, solvents, oils and greases etc. It is designed to obtain strong permanent adhesion to dry/damp/wet surfaces to a wide range of substrates including metal, concrete, brickwork etc.

#### Reasons for using C.T.W. Damp Surface Primer Sealer:

- Dustproof, lightfast and colour stable.
- For slip resistant coating to provide security of foothold on deckings, walkways, ramps, steps etc.
- Fast effective repairs/coatings to sea-walls, pools, tanks, sumps, drains, channels etc.
- Machine bedding and grouting.
- Priming damp/wet surfaces for epoxy floor coverings and many others.
- A powerful adhesive/bonding agent.
- By adding powder, an efficient patching compound for floors and walls both concrete and brickwork etc.

#### Preparation

Concrete substrates must be free from loose material, dust, laitence, debris and other contaminants. Any oil or grease deposits can be removed by a hot detergent wash with a suitable cleaner. Any laitence or ingrained oil and grease may require mechanical work.

#### Mixing

**C.T.W.** Damp Surface Primer Sealer is supplied in a two part system, and has a base and hardener components.

The Hardener should be added to the Base and stirred thoroughly for at least 2 minutes with a suitable slow speed drill and paddle. On slabs, puddled areas of water must not remain. On formed surfaces no running water may be evident.

#### Application

Apply the mixed material to the concrete surface using a brush or roller. Brush out any primer which puddles in low areas on slabs (horizontals) or runs or sags on formed surfaces (verticals) during application.

If primer is left for more than 24 hours before overcoating it will be necessary to re-prime.

#### Physical Data

Components : C.T.W. Base  
C.T.W. Hardener

**Pot Life :** Approximately 1 Hour at 10°C

**Cure Time:** Hard over night even at low temperatures and in presence of moisture. Full cure after 7 days at 10°C. Will withstand immersion in water after approximately 3 hours curing.

#### Theoretical Coverage:

Primer	0.20 kg/m <sup>2</sup>
Top Coat	0.20 kg/m <sup>2</sup>

**Mixing Ratio :** 3 part Base with  
1 part Hardener  
( both by weight).

**Total thickness** 0.2 mm nominal

**Temperature resistance** Up to 50°C

**Equipment cleaner** Frinics G.P. Cleaning  
Solvent

**Specific Gravity** 1.20 (mixed product)

**Compress. Strength Mortar** 55 N/mm<sup>2</sup> (28 days at 23°C)  
(EN 196- 1)

**Flexural strength Mortar** 16 N/mm<sup>2</sup> (28 days at 23°C)  
(EN 196- 1)

**Bond strength** 2.0 N/mm<sup>2</sup> (EN4624)

**Solid Content:** ~100% (by volume)  
~100% (by weight)

**Shore D Hardness** 80 (7 days at 23°C) DIN 53 505

**Shelf Life :** All components 12 months  
when stored in unopened  
containers.

Protect from extreme temperatures and keep dry during shipment and storage. Discard damaged or open containers

**Pack Size :** Base 3.75 kg  
Hardener 1.25 kg

### Limitations

All Frinics products are manufactured to a high standard of quality. They are sold subject to Frinics Conditions of Contract or Sale - copy available upon request. Whilst Frinics strives to ensure that any advice, information or recommendations given are appropriate and correct, it cannot, since it does not have complete control over the method and place of application of the products, accept any liability directly arising out of the use of products.

### Health and Safety at Work

Warning and information concerning the safe handling and use of our products are displayed on their containers and in a Health and Safety data sheet. It is the Purchaser's responsibility to ensure that the materials are stored and handled safely.

### Safety Precautions

Read each component's Material Safety Data Sheet before use. Mixed material has hazards of each component. Safety Precautions included with Application Instructions must be strictly followed during storage, handling and use.

Improper use and handling of this product can be hazardous to health and cause fire or explosion.

### Safety Equipment Required

Suitable eye protection and clothing must be worn this preparation.

Normal precautions should be taken during application to provide adequate ventilation, particularly when working in enclosed spaces.

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