

# CP100

## POLYUREA PRIMER FOR INTERNAL DECK COATINGS



### KEY BENEFITS SUMMARY

- Fast curing primer
- Can be applied at temperatures as low as 5°C
- Can be overcoated within approximately 6 hours at 5°C and 3 hours at 25°C

### PRODUCT INFORMATION

#### Description

CP100 is 3 component, polyurea based primer.

#### Usage / Purpose

CP100 is designed to be used in conjunction with CP900 MMA Dry / Chemical Sealer on internal decks.

#### Packaging

Packaged as 20 kg kit containing:

Part A - 14.10 kg

Part B - 2.66 kg

Part C - 3.25 kg

#### Colour

Grey

#### Availability

Direct from Tremco CPG UK Limited (see back of leaflet for address and telephone details).

#### Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

#### Surface Preparation

- The surface must be smooth, dry, firm and free of dust, fat and oil and any other contaminants liable to prevent adhesion to the substrate.

#### Mixing

- The kits of CP100 should be mixed singly as they are required. Do not mix a number of kits at once to leave them standing in readiness.
- A low speed (300-500 rpm) high torque drill & paddle should be used to mix the material by first stirring the A-component (20 litre bucket) for one minute to re-disperse any settlement. The B & C-components (2.5 litre plastic containers) should then be added to the A-component together and the material mixed until homogeneous - this will take about 60 seconds under normal conditions.

### Application Instructions

- The complete mix should be emptied onto the area (Do not leave material in bulk in the bucket as this will only shorten the pot-life) and spread evenly using a serrated squeegee to achieve a uniform thickness governed by the aggregate size.
- As soon as the resin has been spread uniformly, CP508 Medium Fine Sand must be broadcast to fully blind the surface.
- CP508 Medium Fine Sand should be broadcast into the material in its liquid state. It is vitally important that this is carried out as soon as possible after spreading. Aggregate will not adhere properly to semi-cured or cured material.
- The mixed material remains in a mobile, liquid form for approximately 6-10 minutes, after which a light gel is formed (lasting approximately 15 minutes). The material then sets into a soft solid. Excess material can be removed whilst in the gel form.
- Once the resin has cured, the excess aggregate can be swept or vacuumed off and reused if clean and uncontaminated.
- Tape should be removed when the resin has started its initial cure and no longer flows, but before full cure is reached. It is usually safe to remove the tape 30 minutes after resin application unless the ambient temperature is very cold in which case it will be longer.
- Bay joints can be achieved by taping along an appropriate line and applying the resin and aggregate up to it.
- Remove the tape as described above, wait for the resin to cure and brush the excess aggregate back from the edge thus created. Carefully apply resin up to this line, but not over it, when dealing with the adjoining area and then broadcasting aggregate over it as before.

- A treated area can normally be swept or vacuumed from 1-4 hours after application depending on an ambient temperature of 20°C down to 5°C respectively.
- The material is fit for traffic after approximately 6 hours but may increase in properties over a period of a few days.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.  
Highly flammable - keep away from open flames and other ignition sources.

### Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

### Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco CPG UK Limited Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

### TECHNICAL DATA

PROPERTY	RESULT
Composition	Part A: A coloured mixture containing hydroxy functional materials blended with a special mix of pigments and fillers. Part B: An aqueous diluent Part C: A reactive modified isocyanate
Viscosity (at +25°C)	Part A: 20,000 cps max Part B: 200 cps max Part C: 200 cps max
Specific Gravity	Part A: 1.80 Part B: 1.01 Part C: 1.21
Hardness Shore D	75
Compressive Strength at First Failure	20 N/mm <sup>2</sup>
Compressive Strength at 40% Compression	45 N/mm <sup>2</sup>
Deflection at Failure	10%
Compressed Cylinder (Edge) Break	6 N/mm <sup>2</sup>
Compressed Cylinder (Edge) Crack Propagation	6 N/mm <sup>2</sup>
Compressed Cylinder (Edge) Deflection at Break	10%
Application Temperature	CP100 can be applied at substrate and ambient temperatures between +5°C and +25°C.
Coverage	A 20 kg kit should cover 10 m <sup>2</sup> depending on the profile of the substrate. Mix designs can be tailored to specific site requirements.
Storage	Store in normal warehouse conditions at temperatures between +5°C and +25°C.
Shelf Life	3 months when stored as recommended in original unopened containers

