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## Technical Data Sheet

### MC 14

**A high build pigmented epoxy coating suitable for use in a wide range of aggressive environments. The material has excellent chemical and abrasion resistance.**

#### Advantages

- Cure to 0oC
- No loss of adhesion on damp concrete
- Long wearing with excellent abrasion resistance
- May be applied to 250um in one coat
- Excellent pot life

#### Use

- Durable floor coating system
- Tank lining
- As a top coat on structural steel
- Walls and floors in food processing plants
- Beverage vats

#### Technical Properties

Mix ratio (vol.) base/hardener:	4:1
Volume solids:	80%
Finish:	Gloss
Pot life at 25oC:	2 hours
Minimum application temperature:	0oC
Drying time:	Touch dry 4 hours at 25oC
Curing time:	Hard dry at 16 hours
Recoat time:	16 hours
Application:	Brush, roller or spray
Coats required:	1-2
Theoretical coverage at 150um:	5sqm/litre per coat
Thinning:	No more than 10% with Thinner No.14

## **Preparation**

Method of surface preparation will depend on the substrate and end surface conditions. Steel surfaces should be abrasive blast cleaned to AS 1627:4 class 3. Concrete substrates should, where possible, be blasted with a self-enclosed shot blasting machine or thoroughly cleaned with a high pressure water washer. All laitance, grease, dirt and loose materials must be removed to allow full adhesion of the coating system.

## **Mixing**

Stir the contents of each container separately. Add the total contents of the cure container to the total contents of the resin container. Mix thoroughly and allow to stand 10 minutes before use. A mixing head attached to a high speed drill is preferred.

## **Application**

Apply by brush, roller or spray. Spray application should be in heavy wet passes overlapping 50%. Maintain a wet edge. Apply evenly by roller. Do not overwork the coating. Recoating may take place after initial coat has been allowed to dry overnight at 20°C. A minimum dry film thickness of 150µm per coat is recommended. Where the coating is damaged, feather back to a sound edge and recoat. MC 14 can be top coated with polyurethanes or epoxies. Where MC 14 is used as a tank lining it should be tested for pin holes and holidays after cure of final coat.

## **Packaging**

Available in 10 litre and 4 litre packs in wide range of colours.

## **Clean Up**

Use MC 14 thinner to clean tools and equipment. Do not use thinner to remove material from hands or clothing, use soap and water. Gloves should always be worn.

## **Chemical Resistance**

MC 14 has satisfactory chemical resistance to the following. For more specific details please contact our office.

Ammonia 10%  
Ammonium Chloride  
Citric Acid 10%  
Ethyl Alcohol  
Jet Fuel  
Sulphuric Acid 5% & 40%  
Toluene

The technical information and suggestions contained herein are believed to be reliable, but since the conditions of use are beyond our control, they are not to be construed as warranties.