



MOISTURE REPELLENT (MR)

1. GENERAL DESCRIPTION

Dricon Moisture Repellent (MR) is an 'invisible' low viscosity Silane-Siloxane penetrating sealer which absorbs into porous concrete substrates, then reacts to firstly produce a bonded hydrophobic lining within the pores and secondly, densify the concrete. It significantly reduces absorption and movement of water, water borne salts, oil, gas, grease, animal excrement and concrete dusting which could otherwise damage the concrete. It does however still permit the passage of water vapor.

ATTRIBUTES

- Deep penetrating, non-film forming (Natural invisible look)
- Inhibits mold and mildew growth
- Densifies concrete / reduces dusting
- Minimizes efflorescence
- No discoloration of the substrate (Non staining)
- Allows concrete to breathe
- Maintains the original slip resistance for the product being sealed
- Reduces water and chloride intrusion
- Chemically resistant (repellant) to ice melting compounds, fuels, oils and atmospheric contaminants
- Increases freeze thaw resistance
- Easy to apply: Spray pack / Spray gun
- Yield (Concrete / Wet cast pavers): 5m² per litre per coat
- Yield (Concrete masonry: e.g. Veneers / Pavers / Hollow masonry): 3-4m² per litre per coat

USES

- New and existing concrete: e.g. Floors / Driveways / Walls / Precast / Steel troweled / Broom finish
- Decorative concrete: e.g. Coloured / Polished / Concrete bench tops
- Concrete masonry: e.g. Veneers / Dry cast pavers / Hollow masonry
- Wet cast pavers
- Note: Not compliant with CCANZ CP01:2014
- Note: Not suitable on non-porous surfaces

2. INSTRUCTIONS FOR USE

APPLICATION

- When applying *Dricon Moisture Repellent (MR)* ensure there is adequate ventilation and that an approved safety respirator and goggles are used. Avoid prolonged inhalation of vapors
- Ensure the surface to be sealed is free from oil, grease, loose particles, decayed matter, moss, algal growth and curing compounds
- For effective surface preparation clean first with *Dricon Concrete Treatment (CT)*. In some cases a more rigorous preparation (e.g. sandblasting) may be required
- *Dricon Moisture Repellent (MR)* is breathable so it is not imperative that the surface to be sealed is 100% dry prior to application. If practical however allow at least 4 hours between the pre-cleaning of the substrate and the application. The dryer the surface the greater the penetration will be. Seasonal weather conditions

- will impact on the drying time of the substrate so a lesser wait time in summer is possible compared to winter
- Apply *Dricon Moisture Repellent (MR)* with either a spray pack or spray gun
 - When applying on areas which are near to adjoining pre-finished surfaces (e.g. brick veneer-soffit junctions), ensure that the adjoining surface is protected from overspray. Do so either with a protective sheet secured with masking tape or by using a shield board. Ensure all surrounding windows, concrete paths, driveways, joinery and gardens are protected and covered
 - Do not allow *Dricon Moisture Repellent (MR)* to be contaminated with water
 - *Dricon Moisture Repellent (MR)* should be applied in two flood coats by low pressure spray direct from the spray pack or spray gun and without thinning, at the minimum rate of 1 litre per 5m² per coat
 - On absorbent surfaces increase rate of application until surface is completely saturated
 - Ideally allow a minimum of 2 hours between coats, however a second coat may be applied sooner if necessary
 - Equipment should be cleaned immediately after use with Turpentine
 - Repellency properties will fully develop in approximately 24 hours
 - Any spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations
 - Avoid contact with skin, mouth and eyes
 - If contact with the skin occurs wash well with plenty of water
 - Splashes to eyes should be washed well with plenty of clean water. If irritation persists seek medical attention
 - If swallowed seek medical attention immediately. Do not induce vomiting
 - *Dricon Moisture Repellent (MR)* is flammable. Do not expose liquids or vapours to naked flames or other sources of ignition
 - Containers should be tightly sealed when not in use and stored in a cool, dry place away from sources of heat or naked flames
 - Keep out of reach of children

MAINTENANCE

- For all *Dricon Moisture Repellent (MR)* maintenance applications apply two coats
- For horizontal surfaces apply approximately every 5 years
- For vertical surfaces apply approximately every 8 years
- Wash the area to be treated with mild detergent first, rinse clean and allow to dry before applying the maintenance coats then follow the application instructions above

3. TECHNICAL DATA

PRODUCT DATA

- **Appearance / Colour:** Invisible colorless liquid
- **Reduction in water absorption:** 82% at 28 days
- **Fire extinguishing:** Foam or water fog / Dry chemical / Carbon Dioxide / Sand and earth suitable for small fires
- **Shelf life:** 5 years
- **Packaging:** 5 & 20 litre tin drums
- **Safety Data Sheet:** Available via 0800DRICON or www.dricon.co.nz

DISCLAIMER

Whilst any information provided by ourselves, both verbally or written, is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control. As all Dricon technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.