DUREKEM® MPP
Chemical Resistant Multi Purpose Phenolic Epoxy PC A20

FEATURES
• EXCELLENT CHEMICAL RESISTANCE
• EXCELLENT LINING FOR SOLVENTS AND FUELS
• CAN BE USED DIRECT TO METAL
• EXCELLENT BARRIER COATING
• HIGH SOLIDS, LOWER SOLVENT EMMISSION

USES
DUREKEM® MPP is a two component, chemical resistant phenolic epoxy designed to provide corrosion protection to the internals of steel storage tanks. Suitable for the storage of a wide range of materials including aliphatic and aromatic hydrocarbons and refined petroleum products.

SPECIFICATIONS

RESISTANCE GUIDE

WEATHERABILITY
Will yellow with time and chalk on exterior exposure. Neither yellowing nor chalking detracts from the protective properties of the coating. Use a weatherable topcoat if required for appearance.

SOLVENTS
Excellent lining for aliphatic and aromatic hydrocarbons and refined petroleum products. Resists splash and spillage of most solvents.

HEAT RESISTANCE
Up to 120°C dry heat
WATER
Excellent resistance to fresh, salt and de-ionised water. Suitable for immersion.

SALTS
Excellent resistance to splash and spillage of most salt solutions
ALKALIS
Excellent resistance to most common alkalis

ACIDS
Good resistance to most acids
ABRASION
Good when fully cured

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION
Amine cured phenolic epoxy

APPLICATION CONDITIONS

COLOUR
White and Green Grey
Air Temp.
10°C 45°C
Substrate Temp.
10°C 45°C
Relative Humidity
85%

COMPONENTS
Two

VOLUME SOLIDS
80% (White)

VOC LEVEL
<166 g/L (White)

FLASH POINT
>23°C

POT LIFE
1.5 Hours (4 litre kit, 25°C)

MIXING RATIO V/V
Part A : 4 Part B : 1

THINNER
920-08925 Dulux® Epoxy Thinner

PRODUCT CODE

976-H0097 Green Grey
974-H0097 Hardener

APPLICATION METHODS
Conventional, airless spray or air assisted spray.

SPREADING RATE
5.3 square metres per litre equals 150 μm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.

DRYING CHARACTERISTICS AT 150 μm DRY FILM THICKNESS*

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Humidity</th>
<th>Touch</th>
<th>Handle</th>
<th>Full Cure</th>
<th>Overcoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°C</td>
<td>50%</td>
<td>12 Hours</td>
<td>33 Hours</td>
<td>7 Days</td>
<td>28 Hours</td>
</tr>
<tr>
<td>15°C</td>
<td>50%</td>
<td>8 Hours</td>
<td>22 Hours</td>
<td>7 Days</td>
<td>20 Hours</td>
</tr>
<tr>
<td>25°C</td>
<td>50%</td>
<td>4 Hours</td>
<td>11 Hours</td>
<td>7 Days</td>
<td>8 Hours</td>
</tr>
</tbody>
</table>

* These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying. Figures quoted are for non-immersion conditions. When used for immersion conditions the maximum overcoat interval is 3 days at 25°C. The coating MUST be fully cured and solvent free prior to being place under immersion conditions.

1 If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.
DUREKEM® MPP

TYPICAL SYSTEMS

This is a guide only and not to be used as a specification. Your specific project needs must be discussed with a Dulux Protective Coatings Consultant.

<table>
<thead>
<tr>
<th>SURFACE</th>
<th>ENVIRONMENT</th>
<th>PREPARATION GUIDE</th>
<th>SYSTEM</th>
<th>DFT (μm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEEL</td>
<td>Coastal</td>
<td>Abrasive blast AS1627.4 Class 2.5</td>
<td>1st Coat</td>
<td>Zincaned® 402</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat</td>
<td>Durekem® MPP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat</td>
<td>Durekem® MPP</td>
</tr>
<tr>
<td>STEEL</td>
<td>Internal tank lining</td>
<td>Abrasive blast AS1627.4 Class 3</td>
<td>1st Coat</td>
<td>Durekem® MPP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat</td>
<td>Durekem® MPP</td>
</tr>
</tbody>
</table>

NOTE: If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT

| SURFACE PREPARATION | Steel: Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Degrease with Gamlen CA 1 (a free-rinsing, alkaline detergent) according to the manufacturer's written instructions and all safety warnings. Abrasive blast clean to a minimum of AS1627.4 Class 2.5. Immersed steel: Abrasive blast clean to AS1627.4 Class 3. Remove all dust by brushing or vacuum cleaning.

| APPLICATION | Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Mix the contents of both packs together thoroughly using a power mixer and allow to stand for 10 minutes. Remix thoroughly before using.

| BRUSH/ROLLER | Recommended only for spot patching on rivets, seams etc. Where brushing and rolling additional coats may be required to attain the specified thickness.

| CONVENTIONAL SPRAY | Thin up to 150ml/litre with Dulux® Epoxy Thinner (920-08925) to aid atomisation.

| AIRLESS SPRAY | Standard airless spray equipment such as a Graco Xtreme 45:1 or 56:1 with a fluid tip of 19–21 thou (0.48-0.53mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 150 ml/litre of Dulux® Epoxy Thinner (920-08925) may be added to ease application.

| PRECAUTIONS | This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Data Sheet, contact your nearest Dulux® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux® Australia. Freshly mixed material must not be added to previously mixed material. The rate of cure is dependent upon temperature. Do not apply at temperatures below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. The surface to be coated must be totally free of moisture and contaminants. When used for immersion conditions the maximum overcoat interval is 3 days at 25°C. The coating MUST be fully cured and solvent free prior to being placed under immersion conditions. For best results in water immersion conditions replace Dulux® Epoxy Thinner (920-08925) with Dulux® CR Reducer (965-63020). Do not use this product for this application without consulting a Dulux® Protective Coatings Consultant.

| CLEAN UP | Clean all equipment with Dulux® Epoxy Thinner (920-08925) immediately after use.

| OVERCOATING | Degrease with Gamlen CA 1 according to the data sheet. Test adhesion of existing coating by standard cross hatch test. If the coating fails, remove it. High-pressure water wash at 8.3 to 10.3 MPa (1,200-1,500 p.s.i.) to remove chalk and dust. Abrade surface to provide a good key for the new coating. Epoxy coatings must be abraded if recoated outside the recoat window.

| SAFETY PRECAUTIONS | Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au

| STORAGE | Store as required for a flammable liquid Class 3 in a bunded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.

| HANDLING | As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.

| USING | Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.

| FLAMMABILITY | This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMoke. Fight fire with foam, CO2 or dry chemical powder. On burning will emit toxic fumes.

| WELDING | Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

| COMPANY INFORMATION | Dulux Protective Coatings a division of DuluxGroup (New Zealand) Pty Ltd
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|                     | DuluxGroup (Australia) Pty Ltd
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|                     | A.B.N. 67 000 049 427

| PACKAGING, TRANSPORT AND STORAGE | PACKAGING | Available in 15 litre packs
|                                 | TRANSPORTATION WEIGHT | 1.13 kg/litre (Average of components)
|                                 | DANGEROUS GOODS | Part A: Class 3 UN 1263
|                                 |                          | Part B: Class 8 UN 2734

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