Resene Mica Bond
micaceous pigmented alkyd finish

Resene Mica Bond is an oleoresinous based micaceous iron oxide pigmented coating modified with aluminium to provide lighter colours. Resene Mica Bond is highly resistant to weathering, and mildly corrosive conditions. Its pigmentation confers a very high degree of moisture vapour resistance due to its laminar type structure.

exterior/interior

Typical uses
As a topcoat on suitably primed steel such as:
- Bridges
- Cranes
- Gas holders
- Harbour installation
- Pipelines
- Primed aluminium
- Primed galvanised steel
- Silos
- Roofing
- Transmission towers

Physical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle type</td>
<td>Alkyd</td>
</tr>
<tr>
<td>Pigmentation</td>
<td>Micaceous iron oxide with aluminium</td>
</tr>
<tr>
<td>Solvent</td>
<td>Mineral turps</td>
</tr>
<tr>
<td>Finish</td>
<td>Metallic</td>
</tr>
<tr>
<td>Colour</td>
<td>Silver grey, medium grey, dark grey (BS5252, OOA05, OOA09, OOA13 respectively)</td>
</tr>
<tr>
<td>Dry time (minimum)</td>
<td>4-6 hours at 18°C</td>
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<tr>
<td>Recoat time (minimum)</td>
<td>16 hours at 18°C</td>
</tr>
<tr>
<td>Primer required</td>
<td>Yes</td>
</tr>
<tr>
<td>Theoretical coverage</td>
<td>11 sq. metres per litre</td>
</tr>
<tr>
<td>Recommended DFT</td>
<td>50 microns per coat</td>
</tr>
<tr>
<td>Usual no. of coats</td>
<td>2</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>Acids – fair; alkalis - poor</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Very good</td>
</tr>
<tr>
<td>Heat resistance</td>
<td>120°C (dry)</td>
</tr>
<tr>
<td>Solvent resistance</td>
<td>Good</td>
</tr>
<tr>
<td>Thinning and clean up</td>
<td>Mineral turps (brush/roller application)</td>
</tr>
<tr>
<td></td>
<td>Resene Thinner No.9 (spray application)</td>
</tr>
</tbody>
</table>

Performance and limitations

Performance
1. Excellent brushing properties and intercoat adhesion.
2. Excellent U.V. and water resistance.

Limitations
1. When brush applied lap marking may occur. Where possible brushstrokes should be in the one direction and laps be on weld seams, rivet lines or bolt joints.
2. When applied over zinc rich primers, a non-saponifiable barrier coat must first be applied
3. Drying will be impaired if application dry film thickness exceeds 50 microns per coat.
4. Drying times may be extended when applied directly over Resene Vinyl Etch (see Data Sheet RA31) or Resene Armourcote 220 (see Data Sheet RA34).

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of Resene products. View Data Sheets online at www.resene.com/datasheets. If in doubt contact Resene.
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Surface preparation
Aluminium, galvanised steel, Zincalume
Remove oil or grease film with Resene Roof Wash and Paint Cleaner (see Data Sheet D88) and rinse thoroughly. Prime prepared galvanised steel/Zincalume with Resene Galvo One (see Data Sheet D41) and aluminium with Resene Vinyl Etch (see Data Sheet RA31) or Resene Armourcote 210 (see Data Sheet RA35).

Repaints
All surfaces must be clean, dry, tightly bonded and free of all loose paint, corrosion products or chalky residue (suitable methods include pressure water-washing at 3000 psi or greater, SSPC SP1, SSPC SP3, or SSPC SP7). Feather back damaged coatings to a sound edge. All corrosion on metals should be treated to suit the primer selected. If required spot prime bare areas with recommended substrate primer. Apply a test patch to confirm compatibility and adhesion.

Steel
Degrease according to SSPC SP1 solvent cleaning. Remove all weld spatter, radius all sharp edges and welds. Surface preparation will be as described for suitable primers. Recommended single pack primers include Resene Rust-Arrest (see Data Sheet RA30A), Resene Armourchlor HB-P (see Data Sheet RA60) and Resene Armourcote 210 (see Data Sheet RA35).

Residues and dust from old paint systems containing lead or chromate may be dangerous to the health of the operator and the environment. Ensure approved procedures are put in place to safeguard against this.

Application
Mixing
Thoroughly stir until uniform using an explosion-proof power mixer.

Thinning
- Mineral turps - brush/roller application.
- Resene Thinner No.9 - conventional spray.

Avoid excessive thinning as pigment separation can occur resulting in a non-uniform finish. Thinned product should be remixed at regular intervals during application to maintain finish uniformity.

Application - brush/roller
Apply two coats to appropriately prepared substrate allowing 16 hours between coats.

Application - conventional spray
Industrial equipment with a De Vilbiss JGA gun. Thin judiciously with Resene Thinner No.9 to improve atomisation. Excessive thinning will result in running and sagging. For best results, spray in one direction without interruption until the section is complete. The film will achieve a uniform appearance after a short period of direct weathering.

Safety precautions
Consult Safety Data Sheet for this product prior to use. Users should ensure that they are familiar with all aspects concerning safe application of this product. IF IN DOUBT, DO NOT USE THIS PRODUCT.