**PRODUCT DESCRIPTION**

A two component, quick drying, high build, cold applied polyurethane

**INTENDED USES**

RMP 2K PU has been formulated as a two component, extremely durable, liquid marking system for application to asphalt and concrete surfaces in high traffic areas such as stop streets and traffic lights.

An application thickness of 350 microns provides 4 to 5 times the longevity when compared to other paints applied at a similar thickness.

It is used to create lines, traffic markings and demarcations and can be made reflective with the use of reflective glass beads.

Also used to delineate bike lanes and increase bicycle lane presence in areas where bicycles and vehicular conflict are expected and added safety is needed by way of a non-slip / anti-skid finish.

**CHARACTERISTICS**

- Extended working time with a pot life up to 5 hours
- Traffic time after about 40 minutes (depending on hardener used)
- Easy to apply, pre-packaged as a kit for on-site mixing and convenience
- Excellent obliteration / hiding power
- No spattering or dry spray - exceptionally clean lines when sprayed
- High reflectivity / luminance factor
- High sag resistance allows for excellent build and coverage on new asphalt
- Combination offers excellent flexibility and adhesion to most substrates
- Excellent resistance to bleeding on bitumen substrates
- Excellent alkali resistance on concrete surfaces
- Resistant to weathering
- Excellent adhesion and abrasion resistance
- Excellent breathability and whiteness

**PRODUCT INFORMATION**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Various colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>Sheen</td>
</tr>
<tr>
<td>Mixing Ratio (Volume)</td>
<td>19:1</td>
</tr>
<tr>
<td>Density</td>
<td>1.5 kg/litre (typical for white)</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>70% (typical for white)</td>
</tr>
<tr>
<td>Typical Film Thickness</td>
<td>300-450 microns DFT with beads</td>
</tr>
<tr>
<td></td>
<td>200-350 microns DFT without beads</td>
</tr>
<tr>
<td>Theoretical Coverage</td>
<td>2 m²/litre at 350 microns dft without beads allow loss factors</td>
</tr>
<tr>
<td>Method of Application</td>
<td>Brush, Roller or Spray</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Dry continuous – 80°C</td>
</tr>
<tr>
<td>Number of Coats</td>
<td>1 by spray</td>
</tr>
<tr>
<td>Viscosity</td>
<td>90-100 KU</td>
</tr>
<tr>
<td>Activator</td>
<td>PU Activator 75</td>
</tr>
</tbody>
</table>
Drying Information

<table>
<thead>
<tr>
<th>Substrate Temp.</th>
<th>0°C</th>
<th>5°C</th>
<th>15°C</th>
<th>25°C</th>
<th>40°C</th>
<th>45°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>No pick up</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>20 min*</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hard Dry</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>40 min*</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Full Cure</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Overcoating Data – See Limitations

<table>
<thead>
<tr>
<th>Substrate Temp.</th>
<th>0°C</th>
<th>5°C</th>
<th>15°C</th>
<th>25°C</th>
<th>40°C</th>
<th>45°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1 hr.</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maximum</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Extended</td>
<td>-</td>
</tr>
</tbody>
</table>

Note

*See Speccoats™ Definitions and Abbreviations
*Drying times dependent on hardener used

CERTIFICATIONS
Consult Speccoats™ Technical Representative for details

SYSTEMS AND COMPATIBILITY
Consult Speccoats™ Technical Representative for coating system solutions.

SURFACE PREPARATION
The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be clean and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. This method can be used on previously coated substrates.

New Surfaces

Permanent Markings: Ensure that bituminous screeds have cured for a minimum of 3 months to avoid bleeding through the coating.

Note: It is advisable to test the substrate for suitability for application of this product.
Road Marking Paint
2K Polyurethane

APPLICATION

Mixing
Material is supplied in two containers as a kit. Always mix a complete kit in the quantities supplied. Once mixed the product should be used within the pot life specified.

Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous.

Ensure that sufficient material be mixed so that the product can be applied within its use-able life.

The temperature of the mixed product should preferably be above 10°C.

Mixing Ratio (Volume)
19:1 with PU Activator 75

APPLICATION

Pot Life
5 hours at 25°C

Thinner
0-20% depending on Air Spray only. Do not thin for Airless Spray

Airless Spray
Not Recommended

Air Spray
Recommended
Gun  Pressure/Gravity Feed
Fluid Tip  1.1 mm to 1.6 mm

Brush/Roller
Suitable

Work Stoppage
Thoroughly flush all equipment with PU Thinners. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered and viscosity re-adjusted before used.

Clean Up
Clean all equipment immediately after use with RM 55 Thinners. It is good working practice to periodically flush out the spray equipment during the course of the working day. Frequency of cleaning will depend upon the amount sprayed, temperature and elapsed time, including delays.

Environment

<table>
<thead>
<tr>
<th>Surface Temperature</th>
<th>Ambient Temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum 5°C*</td>
<td>10°C</td>
<td>0%</td>
</tr>
<tr>
<td>Maximum 45°C</td>
<td>45°C</td>
<td>85%</td>
</tr>
</tbody>
</table>

*Or 3°C above the dew point
LIMITATIONS
- Not recommended for friable concrete/slurry type surface
- Over-application will extend both the minimum overcoating periods and handling times
- Do not apply if relative humidity exceeds 85% or temperature is within 3°C of dew point.
- Can only be applied to cured tar - will bleed on un-cured tar.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Speccoats™ representative for specific recommendations.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Speccoats™ makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

UNIT SIZE
Steel Container
- 1 Lt
- 5 Lt
- 20 Lt
- 200 Lt

STORAGE
Shelf Life
- 12 months at 25°C – from date of manufacture
Subject to inspection thereafter. Store in dry conditions out of direct sunlight away from source of heat or ignition
Store at temperature between 5 and 35°C

IMPORTANT NOTE
Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user’s responsibility to ensure that this sheet is current prior to using the product.

PRECAUTIONS
For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.