DESCRIPTION
abe.® cote tough polyurethane paint is a high quality single component waterborne PU floor paint for interior and exterior concrete surfaces.

USES
abe.® cote tough polyurethane paint is a durable, hardwearing and fashionable coating, for domestic concrete surfaces such as floors, patios and garages including light industrial applications.

NOTE: Not to be used in areas where rising dampness has not been prevented since this will result in coating delamination.

ADVANTAGES
• Environmentally and user friendly
• Easy to use, water based satin finish
• Easy cleaning – good stain resistance to coffee, shoe polish and mustard
• Single component – easy, no-mix formula
• Excellent scratch, scuff and wear resistance
• Chemical and stain resistant
• Resists hot tyre pick-up
• UV and weather resistant – colourfast and non-yellowing

PROPERTIES OF WET MATERIAL

density (typical) 1.230
%NV 3 hours @ 105 ºC 54 – 56
Volume solids 36.5%
Colours Sea grey, traffic green, havana beige, signal red, soft grey, golden yellow, black, white and clear
Coloured flake finishes See "Method Statement" for a.e.® cote tough PU paint and flake
Flash point Water based
Dilution Do not dilute
Viscosity 1 300 – 1 700 cP

PROPERTIES DURING APPLICATION
Drying time @ 25 ºC 50% RH Touch: 2 hours Hard: 24 hours (Light foot traffic) Full cure: 7 days (Vehicle traffic at 72 hours)
Over coating time @ 25 ºC 4 hours
Application temperature range +10 ºC to 25 ºC
Do not apply coating if humidity is in excess of 85% @ 21 ºC or 75% @ 10 ºC
Do not apply coating if the substrate temperature is at least 3 ºC (5 ºC is better) above dew point
Fire resistance of wet film Not flammable
Dilution Do not dilute

PROPERTIES OF DRIED FILM

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>Sheen level depends on the substrate finish/profile</td>
</tr>
<tr>
<td>König Pendulum</td>
<td>50 (seconds)</td>
</tr>
<tr>
<td>Hardness: 4 – 7 days cure</td>
<td></td>
</tr>
<tr>
<td>abrasion on leneta foil (cs 17/1 000 rot) (grams)</td>
<td>0.27</td>
</tr>
<tr>
<td>UV Resistance</td>
<td>Good</td>
</tr>
<tr>
<td>Durability</td>
<td>Good</td>
</tr>
<tr>
<td>VOC (g/L)</td>
<td>0.808</td>
</tr>
<tr>
<td>Resistant to cleaning chemicals at recommended dilutions</td>
<td></td>
</tr>
</tbody>
</table>

SURFACE PREPARATION
The substrate must be firm, dry, and free from dust and grease. If necessary, employ mechanical cleaning methods and equipment. It is advisable to check bonding on unfamiliar surfaces. Older coatings must be sanded.

PRECAUTIONARY NOTES
(1) The substrate must be dry before application. For concrete, moisture content tests must be conducted prior to application of the priming system. Moisture content check (preferably a protimeter survey master or equivalent, or dynamic calcium chloride moisture “weight gain” over 24 hours, or at least a practical overnight “plastic sheet test” is also advisable (approximately 1 m² masked down on surface).
(2) Concrete substrate must have a minimum tensile strength of 1.5 N/mm². Concrete shall be free of all laitance and preferably should be lightly vacuum blast cleaned leaving a uniform texture. All blemishes in the surface such as pop-outs, omegas, blowholes and honeycomb should be patched with epidermix 201. This should be left overnight to cure and then shall be rendered smooth. For a smooth final finish, the surface profile, peak to valley, should not exceed 25% of the coating thickness.

BONDING/PRIMING
Apply 10% diluted a.e.® cote tough polyurethane paint as a prime coat.

MIXING
To ensure good mixing, mechanical mixing equipment should be used (below 400 r.p.m) and avoid air incorporation (jiffy type stirrer is ideal).

APPLICATION
After mixing, apply with a virgin mohair roller thinly and evenly. Opened containers must be closed immediately to prevent evaporation and skin forming. It is advisable to use opened containers as quickly as is possible and completely.
NOTE:
1. Don’t dilute with solvents.
2. Pinholes can lead to a loss of adhesion, e.g. areas subjected to water ponding.
3. Applications thicker than 145 μm WFT is not recommended.
4. Extended applications should be worked within 8 – 10 minutes at the latest, otherwise tracks may be visible.

<table>
<thead>
<tr>
<th>COVERAGE</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Recommended average dft per coat</td>
<td>40 μm</td>
</tr>
<tr>
<td>Theoretical coverage for above dft</td>
<td>9 m²/L</td>
</tr>
<tr>
<td>Wet film thickness at above</td>
<td>110 μm</td>
</tr>
<tr>
<td>Maximum recommended wf</td>
<td>125 μm</td>
</tr>
<tr>
<td>Practical coverage for estimating purposes</td>
<td>8 - 10 m²/L</td>
</tr>
<tr>
<td>Recommended number of coats</td>
<td>2</td>
</tr>
</tbody>
</table>

CLEANING OF EQUIPMENT
Use water immediately after use. For dried material, use a.b.e.® super brush cleaner before full drying takes place.

PROTECTION/MAINTENANCE ON COMPLETION
Protect the surface against traffic and spillage until cured.

MODEL SPECIFICATION
One component water borne top coating.

The coating will be a.b.e.® cote tough polyurethane paint, a single pack water borne sheen coating applied in accordance with a.b.e.® Construction Chemicals’ recommendations, including necessary primers as directed.

PACKAGING
a.b.e.® cote tough polyurethane paint is supplied in 5 L yield containers

HANDLING AND STORAGE
At least 12 months in original, unopened containers. Store in cool (+5 °C up to +20 °C) and dry conditions. Not frost resistant.

DATE UPDATED: 11/11/2018

a.b.e.® is an ISO 9001:2015 registered company
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a.b.e.® Construction Chemicals (Pty) Ltd
is a CHRYSO Group Company

HEALTH AND SAFETY
Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local a.b.e.® Construction Chemicals sales representative.

IMPORTANT NOTE
This data sheet is issued as a guide to the use of the product(s) concerned. Whilst a.b.e.® Construction Chemicals endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because a.b.e.® has no direct or continuous control over where and how a.b.e.® products are applied – accept any liability either directly or indirectly arising from the use of a.b.e.® products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

FURTHER INFORMATION
Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

a.b.e.® Construction Chemicals has a wealth of technical and practical experience built up over years in the company’s pursuit of excellence in building and construction technology.

To view the product video, scan this QR code with your smartphone.
abe.® cote tough polyurethane paint

COLOUR CHART

These colours are provided as a guidance only and exact colour matches will be dependent on the surface condition.

- black
- soft grey
- traffic green
- sea grey
- golden yellow
- havanna beige
- signal red
- white
- clear

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