

RESISHIELD UV30

TWO COMPONENT ALIPHATIC POLYURETHANE COATING

PURPOSE

- As a final coat to ensure a colour stable aesthetic finish.
- To protect the undercoat substrate from direct exposure to sunlight.
- To protect the undercoat from chalking and yellowing.
- Applied internally and externally.

PROPERTIES

- Excellent colour retention.
- Excellent flexibility
- Withstands wind-blown sand
- Resistant to moderate solvent-based chemical and alkalis under splash and spill condition.
- Easy to apply by roller and airless spray machine.
- Extendable pot life

TECHNICAL DATA

Volume of Solid	80% (min)
Fresh Wet Density	1.2kg / ltr.
Tensile Strength	6Mpa
Pot Life	60mins@25°C 45mins@30°C
Touch Dry	12 hrs. @30°C
Tack Free	12 hrs. @30°C
Over-coating Time	12-24 hrs. (dependant on working temperature)
Final cure	7 days @30°C

APPLICATION REQUIREMENTS

SURFACE PREPARATION

FOR CONCRETE AND STEEL SUBSTRATES

The surface should be clean, dry and free from laitance or any other foreign materials. Clean any contamination with steam or degreaser as appropriate. For heavy contamination, sand or grit blast (or abrade by any other mechanical means) to ensure good surface condition.

Concrete Primer C111 or 112MT for concrete substrate and steel structure shall be primed with **Resiprime Primer P111 or P112**.

FOR FIBER GLASS AND WOOD

Ensure a dust free surface lightly abraded with sandpaper prior to applying **Resishield UV-30**. Where **Resishield UV-30** is to be applied onto conventional under coat (such as acrylics, alkalis, polyurethanes, epoxies, polyester, etc.) as top coat finish, the underlay substrate coating must be roughened and wiped with appropriate solvent to remove dust and provide clean surface prior to the application of **Resishield UV-30** top coat.

APPLICATION

For either Concrete or Steel Primer, mix the primer thoroughly before application on dust free surface using the recommended **Resiprime Primer**. **Resishield UV-30** shall be applied when the surface temperature is above +5°C and relative humidity below 80% and that air temperature at least 3°C above the dew point.

Resishield UV-30 base container shall be separately initially mixed using a power mixing drill at slow speed to disperse the solids. Hardener should then be added to the base container and mixed.

Applied the mixed **Resishield UV-30** in two coats, in the recommended overcoat time, for the primed substrate, or well prepared undercoat surface.

Additional number of coat may be applied as required to achieve higher degree of protection against chemical attack and abrasion considering that the over-coating time is maintained.

PACKAGING

Resishield UV30	5kg per pack
Resiprime C111	18 ltr/pail
Resiprime P111	1 ltr can
Coverage	
Resishield UV30	100 micron wft 4 m ² /kg/2 coats (150 micron total dft.)
Resiprime C111	6-8m ² /ltr./coat
Resiprime P111	15-20m ² /ltr./coat

CLEANING

Tools and equipment should be cleaned with **Rezcoat SC111** Cleaning Solvent. Do not use the solvent for thinning, as it will inhibit the material properties.

STORAGE

Product should be kept in original unopened containers away from direct source of heat in shaded area of a temperature below 30°C. **Resishield UV-30** will have a shelf life in excess of 12 months. If stored at a lower temperature with high humidity, the pot life may be reduced by half the life.

FIRE

Resishield UV-30 and **Resiprime Primers** are non-flammable products. **Rezcoat Solvent SC111** is a flammable material; therefore the areas must be kept free of the risk of flames and sparks.

HEALTH & SAFETY

Resishield UV-30, Resiprime Primer and **Rezcoat Solvent SC111** should not come in contact with skin and eyes. Some people are sensitive to resin. Use chemical goggles, PVC gloves and barrier cream. Avoid contact with skin and eyes when handling the products. Do not use solvent for resin removal from the skin; instead a barrier cream which will provide a suitable remedy for resin removal from the skin. Should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical advice. Ensure plenty of ventilation when using resin and solvent containing materials.

DISCLAIMER

This product is specially formulated and manufactured by Rezayat Protection Coatings Company Ltd (RPCCL) and sold subject to its standard terms and conditions. The information presented herein is accurate to the best of our knowledge. All technical properties quoted forthwith are from laboratory prepared samples and RPCCL reserve the right to alter any of the detail herewith without notice. The users are advised to ensure they possess the latest issue of the datasheet. The information given must not be taken in any way to form a specification. RPCCL will not accept any liability for any consequent or incidental damage arising out of use of the product. All guarantees offered are limited to replacement of defective material only. The use of the products outside of RPCCL recommendation is under user own risk.

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