



Shelter-Top

Spray Applied Polyurethane Topcoat

Top coat of the Heavy Duty Spray Applied Waterproofing
PU Membrane System

Acrylic/Aliphatic Polyurethane resin based

Two part spray application

Excellent weather resistance and adhesion

Excellent workability

Excellent resistance to abrasion and chemicals

Excellent UV resistance

ARDEX HONG KONG Ltd
Unit D, 16/F., CNT Tower,
No. 338 Hennessy Road, Wanchai, HK
Tel : +852 2529 8615
Fax : +852 2529 6325
Email : info@ardex.com.hk
Internet : www.ardex.com.hk

Shelter-Top

Spray Applied Polyurethane Topcoat

Description

Shelter-Top is a two component, acrylic/aliphatic polyurethane finish. It features UV resistance, excellent weather resistance and adhesion. It has outstanding workability and resistance to abrasion and chemicals.

Features

- Two part spray application
- Acrylic/aliphatic Polyurethane resin finish
- Excellent weather resistance and adhesion
- Outstanding workability
- Excellent resistance to abrasion and chemicals
- Excellent UV resistance

Typical Applications

- As a finish coat for Sheltercoat 157.

Mixing

Shelter-Top(R) : Shelter-Top (H): = 4.7 : 1 (by weight).

Mix separately, then combine together and mix thoroughly with high speed dissolver for 10 minutes prior to application.

Application

Application method is by airless spray gun. Shelter-Top must be applied to dry surfaces of Sheltercoat 157 spray applied polyurethane membrane. Sheltercoat 157 must be cured before application of Shelter-Top. The surface of cured Sheltercoat 157 must be clean and safe.

To produce a durable and slip resistant finish for foot trafficable surfaces, it is recommended to broadcast sand into the second coat of Sheltercoat 157 before it is cured. Shelter-Top can then be applied after the sanded layer of Sheltercoat 157 is cured.

Film Thickness

The recommended dry film thickness per coat is 40 microns (0.11kg/square meter).

cf.) In case of a trafficable non-slip topcoat over sanded Sheltercoat 157, the recommended dry film thickness is 80 microns(0.22kg/square meter).

Limitations

Do not apply when the temperature is less than 5 degree, and relative humidity is above 80%. Direct bonding of ceramic tiles or other hard coverings is not recommended. Topping screeds should be

self supporting (i.e. reinforced), should be at least 40mm thick and applied over a suitable slip sheet.

Shelter-Top should not be applied without the necessary protective clothing - refer safety data. This product is very sensitive to air therefore containers cannot be resealed for future use once they have been opened.

Colour Range

Green & Grey

Shelter-Top

Spray Applied Polyurethane Topcoat

Thinning and Clean Up

Thinning of Shelter-Top is not required since this will inhibit the ability to achieve the necessary dry film thickness. If thinning is required the addition of up to 15% of xylene should be used. Other clean up may be done using xylene or other high aromatic hydrocarbon solvents.

Safety Precautions

Use adequate ventilation.

Avoid contact with skin and eyes, and prolonged breathing of solvent vapors.

In case of contact, wash with organic solvent and followed by soap and water cleaning.

Respiratory protection is recommended when applying this product in confined spaces or stagnant air.

Clean equipment immediately after use.

Keep the recommended film thickness at application.

Thick film per coat may result in bubbling.(Recommended per coat 50 microns dry)

Dry completely to obtain good adhesion.

Keep away from sparks and open flames.

ADDITIONAL INFORMATION IS LISTED IN THE MATERIAL SAFETY DATA SHEET.

Technical Performance Data

Specific Gravity(Mixed).....	1.1+-0.05 (Kg/L)
Pot Life	30 min(20degree/60%RH)
Recoating Time.....	12~36 hours(20degree/60%RH)
Curing Time(Set to touch).....	30 min(20degree/60%RH)
Curing Time(Fully cured).....	3 days(20degree/60%RH)
Appearance	Colored viscous liquid
Solid Content (%)	above 40%

Handling & Storage

Shelter-Top(R) can be stored for 12 months and Shelter-Top(H) can be stored 6 months at below 25 degrees. Avoid prolonged exposure to humidity or temperature above 50 degrees.

Avoid contamination with water or alcohols.

Packing

Shelter-Top(R) = 16.5kg/Drum(Resin, Colored)

Shelter-Top(H) =3.5kg/Drum(Hardener)

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific

INSTALLATION RECOMMENDATIONS

The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. you should make yourself familiar with them.

Date: September 2008