



Technical Data Sheet

DOWSIL™ 650+ Protective Peelable Coating

Waterborne acrylic resin for peelable coatings

Features & Benefits

- Formulated for protection of façade glazed systems and panels including, but not limited to, glass and metals.
- Easy removal by peel off from the substrate without leaving any residue (after curing 7 days @ 23±2°C or 73.4±3.6°F, 50% R.H.)
- No damage and penetration to the substrate
- Good protection performance to the substrate
- Compatible with common DOWSIL™ Glazing Sealants
- Low VOC formulation
- Excellent peel-off capability even under long UV and weather exposure
- APEO free¹

¹DOWSIL™ 650+ Protective Peelable Coating is APEO free, being manufactured without the use of APEO surfactants

Applications

- DOWSIL™ 650+ Protective Peelable Coating is a waterborne peelable acrylic coating for temporary protection application. It is suitable to many substrates including glass, metal, and plastics. It offers temporary protection against dust, stain, grease, and even weld slag. It can easily be peeled off when the protection is no longer required. There is no damage to the surface and there is no residue left on the substrate.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Translucent, blue liquid
Density, Wet	g/ml (lb/gal)	1.05 (8.76)
Minimum Film Formation Temperature (±2°C) (±3.6°F)	°C (°F)	8.5 (47.3)
Brookfield Viscosity (LVT #3, 60 rpm, 25°C or 77°F)	cps	< 6000
VOC	g/l SCAQMD lb/gal SCAQMD	6 0.05

Application Guidelines

Application	Methodology	Dry Film Thickness
On-Site	Brush/ Roller	100 µm (0.39 mils)
Factory	Brush/Roller/Spray	100 µm (0.39 mils)

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How to Use

Coating Preparation

- No mixing nor thinning is required. Use direct from package.

Surface Preparation

- Dow recommends conducting a test area and a test peel on each substrate before use
- The surface of the substrate should be sufficiently clean, dry, flat, and free of foreign matter.
- Mask off areas that do not require the coating.
- Make sure that all sealants adjacent to the substrate are fully cured before applying the coating.

Application

- Apply 1–2 coats of DOWSIL™ 650+ Protective Peelable Coating to the substrate by using brush, roller, or spray. The application temperature should be higher than MFFT, so DOWSIL™ 650+ Protective Peelable Coating are recommended to be used at the temperature above 10°C or 50°F.
- It is recommended to allow the coating to dry st before applying another coat.
- Apply the coating to all parts of the substrates that will need the protection.
- The approximate coverage of the material is 5–6 m²/kg or 24.4–29.3 ft²/lb²

²Based on two coatings on glass substrates. Spread rate is dependent on the application tool.

Drying

- Allow the coating to dry via ambient air. No addition of heat is required.
- Ensure that the coating is not exposed to rain, moisture, and/or water before it is completely dry.

Removal

Peeling Off

When the temporary protection from the coating is no longer needed, you may peel it off from the substrate. The film becomes brittle at low temperatures and regains elasticity when temperature returns, so for the ease of peel, please peel the film at the temperature higher than 10°C or 50°F. In the event of cold temperatures, artificial heat sources can be used to heat the film to temperature for ease of peel.

- The protective coating can easily be removed by peeling off from the edges of the coating.
- Peel off the coating until there are no more coating left on the substrate.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored at temperature 1–40°C (33.8–104°F) in the original unopened containers, this product has a usable life of 12 months from the date of production, please avoid storage below 0°C to prevent freezing.

Packaging Information

DOWSIL™ 650+ Protective Peelable Coating is available to customers in 60 kg (132.3 lb) drum and 160 kg (352.7 lb) drum packages. Please contact your local Dow sales office to obtain the relevant information.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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