

OR75DCL

Description

OR75DCL is a solvent-free, two-component, 100% solids, aliphatic polyaspartic polyurea coating designed for use as a topcoat on concrete, metal, polyurea spray coatings, and TRAFFIDECK systems.

OR75DCL is rapid curing and provides a non-yellowing, UV stable topcoat with excellent resistance to weathering, oils and other chemicals. The system is unpigmented and clear in color.

Typical Component Properties

	Units	Part A	Part B	Test Method
Color		Clear Liquid	Clear Liquid	Visual
Viscosity	cPs	500-800 (at 75°F) (24°C)	300-500 (at 75°F) (24°C)	Brookfield
Specific Gravity	g/cc	1.14	1.07	

These are typical values and should not be construed as specifications.

Surface Preparation

All surfaces should be prepared in accordance with TRAFFIDECK specifications. If there are any doubts about suitability, a small trial area should be applied.

Mixing Instructions

OR75DCL, Part B should be stirred thoroughly prior to use. The curing agent (OR75DCL, Part A) should be added to the resin component and mixed thoroughly with a mechanical paint stirrer for a minimum of sixty seconds.

The mixed components should be transferred to a third vessel and mixed for a short time prior to application.

Application Details

Once fully mixed OR75DCL can be applied by brush or medium nap roller (maximum 12" width) immediately to the prepared substrate. For optimum performance and coating, only one coat need be applied. Under no circumstances should applications be carried out in damp weather conditions or if rain is forecasted.

Recommended Process Conditions

	Units	Limits
OR75DCL, Part B	Pbw	1
OR75DCL, Part A	Pbw	1
Solids Content	%	100
Dry Film Thickness	Mils	15-20
Theoretical Coverage	FT ²	220-270 / 20lb kit

Handling and Storage

	Units	OR75DCL, Part B	OR75DCL, Part A
Storage temperature	°F (°C)	59-77 (15-25)	59-77 (15-25)
Storage stability/Shelf Life ⁽¹⁾	Months	6	6

1. Stored in the original sealed drums in a dry place at the recommended temperature.

Typical Polymer Properties

	Units	Limits	Test Method
Hardness	Shore D	75-80	ASTM D2240
Density	g/cc	1.08	DIN 53479
Percent Solids	%	100 (0 g/l VOCs)	
Tensile	Psi	5630	ASTM D412
Elongation	%	10	ASTM D412
Tear	Pli	803	ASTM D624C
Taber Abrasion	Mg/rev. loss	12/1000 – CS17 wheel/1 kg	ASTM D3389

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Product Stewardship

Oak Ridge Foam & Coating Systems, Inc 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 Oak Ridge products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Safety Considerations

Safety Data Sheets (SDS) are available from Oak Ridge.

SDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product.

Customer Notice

Oak Ridge strongly encourages its customers to review both their manufacturing processes and their applications of Oak Ridge 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, Oak Ridge personnel are available to answer your questions and to provide reasonable technical support. Oak Ridge product literature, including safety data sheets, should be consulted prior to use of Oak Ridge products. Current safety data sheets are available from Oak Ridge.