



POLITHERM 86 WFS R SM YELLOW CATERPILLAR 24413
SB

Code:	15509684																		
PRODUCT DESCRIPTION	Superdurable polyester powder coating with good chemical resistance and excellent adhesion, flexibility and yellowing resistance. It has excellent weathering resistance with greater gloss and color retention than other polyester-based coatings.																		
RECOMMENDED USE	Coating of metal surfaces for use outdoors where extra durability against the weather effects is required.																		
PROPERTIES	This coating, when properly applied and cured is suitable for the use of adhesives and sealants. However, because of the different products on the market, it requires prior testing by the user in order to select the adhesive and / or sealant appropriate.																		
CERTIFICATIONS AND APPROVALS	Free from heavy metals and other substances provided for in RoHs Directive 2015/863 EU of 31/03/2015. Certified coating according to UL 1332 license MH63984. Caterpillar approved product, standard 1E4602 CHG No. 01:2024.																		
PACKAGING	Cardboard box with 55 lb in high-density polyethylene bag.																		
CHARACTERISTICS OF MANUFACTURED PRODUCT	<table><tr><td>Resin</td><td>Polyester</td></tr><tr><td>Gloss</td><td>Semi bright</td></tr><tr><td>Finish</td><td>Smooth</td></tr><tr><td>Specific gravity (± 0,10)</td><td>1,46 g/cm³</td></tr><tr><td>Theoretical Coverage</td><td>133.7 ft²/lb at 1.0 mil</td></tr><tr><td>Mass loss during cure</td><td>Maximum 2%</td></tr><tr><td>Moisture content</td><td>Maximum 0.6%</td></tr><tr><td>Shelf life</td><td>12 months</td></tr><tr><td>Storage condition</td><td>It must be stored in closed containers, in cool, dry and covered places, at an ambient temperature not exceeding 86°F.</td></tr></table>	Resin	Polyester	Gloss	Semi bright	Finish	Smooth	Specific gravity (± 0,10)	1,46 g/cm³	Theoretical Coverage	133.7 ft²/lb at 1.0 mil	Mass loss during cure	Maximum 2%	Moisture content	Maximum 0.6%	Shelf life	12 months	Storage condition	It must be stored in closed containers, in cool, dry and covered places, at an ambient temperature not exceeding 86°F.
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CHARACTERISTICS OF APPLIED PRODUCT																			



Test	Specification/Standard
Adhesion	MINIMUM 4B
Gloss 60°	72 - 82 (ASTM D523)
Impact	Minimum 43 lb.in (ASTM D2794)
Flexibility (conic mandrel)	Maximum 1/8 in (ASTM D790)

CHEMICAL RESISTANCE CHARACTERISTICS	
Test	Specification/Standard
Humidity	Minimum 2000h (ASTM D2247)
Salt spray	Minimum 1200h (ASTM B117)

NOTE: The tests for UL certification were conducted on cold-rolled steel substrate sheets with zinc phosphate treatments.

SAFETY PRECAUTIONS
Guidance is available in the product's Safety Data Sheet (SDS).

NOTE The information provided herein is based on our testing and experience and is intended to inform you about the product and its possible applications. The information provided in this bulletin is not intended to be complete, and the user assumes the risk of using the product for a purpose other than the specifications recommended in this bulletin without first obtaining our written confirmation of its suitability for the intended purpose. While we strive to ensure the accuracy of the information provided herein, we cannot control the quality or condition of the substrate, nor any other factors that affect the use and application of this paint. Therefore, unless we agree in writing to any condition that deviates from our recommendations, we accept no liability that may arise regarding the performance of this product. The information contained in this bulletin is subject to change without notice, based on our experience and policy of continuous development.