

Ceilcote 222HB Flakeline

High build novolac vinyl ester lining/coating

Ceilcote® 222HB Flakeline is a glass flake filled novolac vinyl ester lining/coating designed for the protection of steel and concrete substrates. It can be applied by airless spray in a single coat up to 54 mils (1350 microns) DFT with a typical design range of 30-50 mils (750-1250 microns) DFT.

Ceilcote® 222HB Flakeline is used in lining applications for tanks and process vessels, flue gas ducts, concrete trenches and pits, as well as in secondary containment and process floor coating service.

- Excellent chemical resistance
- Excellent permeation resistance
- Dry heat resistance up to 400°F (204°C)
- Direct to metal application capability
- Single coat eliminates intercoat adhesion issues
- High film build reduces application steps
- Lower applied costs compared to multi-coat systems
- Quick return to service



Ceilcote 222HB Flakeline is designed with excellent application characteristics, high film build and resistance to a wide range of chemical environment

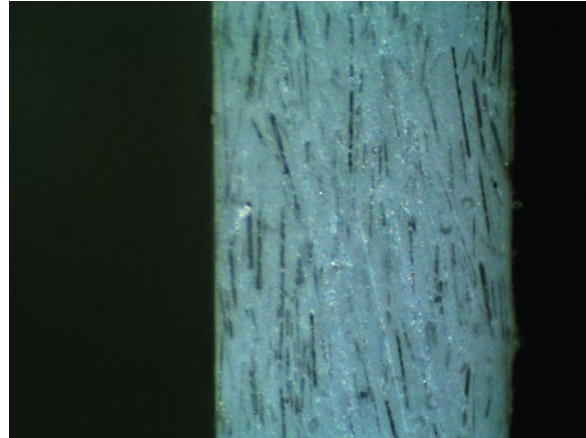
Industry applications

Ceilcote® 222HB Flakeline is typically used for the protection of plant assets against a wide range of chemical reagents including aliphatic and aromatic organic solvents, organic and inorganic acids up to full concentration, in the following industries:

Chemical Processing	Oil and Gas
Power Generation	Mining and Minerals
Pulp and Paper	Water and Wastewater

Outstanding productivity

Ceilcote® 222HB Flakeline is designed for spray application at up to 54 mils (1350 microns) DFT in a single coat making it an ideal choice where productivity is a key driver. It can be used as a single coat stand-alone lining as well as a basecoat or topcoat in a number of Ceilcote lining systems designs.



Coating cross-section showing flake orientation

TEST TYPE	TEST METHOD	SPECIFICATION DETAILS	TYPICAL RESULTS
Water vapor permeability	ASTM D1653 - "Standard Test Method for Water Vapor Transmission of Organic Coating Films"	1 x 40 mils (1000 µm) DFT, applied directly to Sa 2-1/2 (SSPC SP 10) blasted steel	Average water vapor transmission rate of 0.00035 perm inches at a temperature of 140°F (60°C)
Impact	ASTM D2794 - "Resistance to the Effects of Rapid Deformation (Impact)"	1 x 40 mils (1000 µm) DFT, applied directly to Sa 2-1/2 (SSPC SP 10) blasted steel	Direct Impact: >18 Joules (160 in-lbs)
Elevated temperature test	ASTM D5499 Method A - "Standard Test Methods for Heat Resistance of Polymer Linings for Flue Gas Desulfurization"	1 x 40 mils (1000 µm) DFT, applied directly to Sa 2-1/2 (SSPC SP 10) blasted steel	No film defects at 400° F (204 °C) continuous exposure
Tensile strength	ASTM D638 - "Standard Test Method for Tensile Properties of Plastics"	1 x 40 mils (1000 µm) DFT	4500 psi
Tensile elongation	ASTM D638 - "Standard Test Method for Tensile Properties of Plastics"	1 x 40 mils (1000 µm) DFT	2%

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