



UltraPoxy® C7

Productinformatie v.1.2

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PRODUCT DESCRIPTION:

UltraPoxy® C7 is a two component highly cross-linked novolac vinyl ester coating with maximum performance and durability characteristics. Low VOC and moderate viscosity are key characteristics for this sprayable protective barrier coating for high temperature, chemical exposures where thermal cycling conditions may be present.

UltraPoxy® C7 industrial coating is designed to:

- Resist thermal cycling conditions up to 180°C
- Resist a wide range of inorganic as well as organic acids and hydrocarbon based chemical compounds
- Easily apply by airless spray system

APPLICATION AREAS:

- Flue gas ducts
- Process tanks
- Storage tanks
- Gas/gas heat exchangers
- Electrostatic precipitators
- Chimney stack liners
- Reactor domes
- Bag filters
- Evaporators

PACKAGING AND APPLICATION DATA:

Packaging:	14 liter kits, covers approx. 37.3 m ² with 375 µm wft.
Application methods:	All spray methods. Brush or roll for strip coat and repair of small areas only.
Mixing ratio:	components are pre-measured & pre-weighed: part A (base) to be mixed thoroughly with part B (hardener). Detailed mixing and application instruction are included with each kit.
Potlife (20°C):	90 min (reduced at higher temperatures)
Thinner:	Up to 3% UltraPoxy® thinner may be added for spray applications. UltraPoxy® thinner or cleaners should be used to clean and flush equipment.
Filters:	Check to ensure that filters are clean
Number of coats:	Two coats with 375 - 500 µm wft per coat (375 µm WFT yields 300 µm DFT)

<u>TECHNICAL DATA</u> (All results are based on ambient curing)		
Composition Matrix	An epoxy novolac vinyl ester resin reacted with a catalyst	
Reinforcement	A proprietary blend of high density reinforcements	
Cured Density		2.1g/cm ³
Compressive Strength	(ASTM D 695)	110 MPa
Flexural Strength	(ASTM D 790)	51.7 MPa
Flexural Modulus	(ASTM D 790)	6.23 x 10 ³ MPa
Tensile Elongation	(ASTM D 638)	104%
Pull-Off Adhesion	(ASTM D 4541)	16.3 MPa
Impact Resistance (direct)	(ASTM D 2794)	9.1 Nm
Durometer Hardness Shore D	(ASTM D 2240)	89
Maximum Temperature	Wet Service Dry Service	135°C (water) 180°C (continuous)
VOC (Part A & B)	EPA 24 @ 43°C	70 g/liter
Colors	Red and white	
Shelf life	6 months (transported and stored between 10°C and 24°C)	