CERAMAPURE™ PL90

CERAMIC EPOXY

WATER

or

SEWER

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DESCRIPTION:

A two-component, high solids, chemically cured epoxy coating. Ceramapure™ PL90 Ceramic Epoxy is a unique barrier coating formulated for the protection of ductile iron pipe and fittings for water or sewer service.

Ceramapure PL90™ is certified for cold end uses only to NSF/ANSI International Standard 61 for potable water immersion service for pipe diameters of four inches or larger.

PERFORMANCE TESTING

PANEL: Ductile Iron Pipe   SYSTEM: Ceramapure™ PL 90

TEST	METHOD/CONDITIONS	DURATION	RESULTS
20% Sulfuric Acid Immersion		5500 hours	No effect when rated using ASTM D-714
5% Sodium Chloride Solution (Salt Water) Immersion Unscribed panel		2 Years	No effect when rated using ASTM D-714
5% Sodium Chloride Solution (Salt Water) Immersion Panel Scribed to Metal		2 Years	No effect when rated using ASTM D-714
25% Sodium Hydroxide Immersion		2 Years	No effect
Distilled Water Immersion	AWWA C-550 @ 150°F	Per AWWA C-550	Passed
Salt Fog (Scribed Panel)	ASTM B-117	1 Year	No effect when rated using ASTM D-714
Impact Resistance	ASTM 2794		Passed - 60 in./lbs.
Approval for contact with Potable water 4" and larger piping	NSF 61		Approved
Undercutting Resistance: Alternate Wet/Dry Immersion	(5% NaCl, flowing, aerated, 120°F, Wet 1 hour followed by Dry 1 hour- 12 Cycles daily)	1 Year	No undercutting at exposed edges
Weathering Exposure	Coupons with cut edges exposed to ambient weathering conditions in Birmingham, AL	1 Year	Passed No undercutting at exposed edges

DUAL USE: Potable Water Or Sewer Lining For Ductile Iron Pipe

Ceramapure PL-90 is a potable water or sewer lining for ductile iron pipe and fittings based off of the same corrosion resistant chemistry as Protecto 401™, the industry standard for lining ductile iron pipe and fittings in corrosive sewer systems for 30 years.

Some uses for Ceramapure PL-90 have included lining pipe and fittings for osmotic water treatment plant feed water, reuse or reclamation water systems and sewer lines where standard cement mortar lining is not applicable