

ENVIRO POXY PATCH EP200

PRODUCT DATA SHEET

DESCRIPTION

ENVIRO POXY PATCH EP200 is a three-component 100% solids epoxy patch material. It uses the same advanced formulations of high performance 100% Solids epoxy resins from our EP100 coating line of products. Designed to provide superior functional and decorative properties, EP200 delivers an environmentally friendly, industrial product for repairing gaps, cracks, and other damage in concrete floor coatings. Perfect for concrete repairs in commercial, industrial, and residential applications. CFIA compliance also makes EP200 a great material for coving in food and medical facilities. EP200 increases the life of the substrate by providing high chemical resistance, high mechanical strength, durability, and adhesion.

Volume Solids:	100%
Solvents:	Nil
Water:	Nil
Mixed Pot Life:	45 minutes
Shelf Life:	3 years

DIRECTIONS

Clean the area to be repaired by mechanical means and remove loose concrete as necessary. For best results, grind, chip or chisel out a channel or groove along the intended repair area.

Remove contents from kit, put on protective gloves. Pour all the contents of container marked Part-B into the pail. Mix thoroughly for 5 minutes. Pour in Part-C while continuing to mix until the desired consistency is reached. Blend thoroughly.

Apply material and smooth as necessary with plastic applicator.

Application Temperature: 50-100°F

Dry Time: 12-20 hours @ 70°F (temperature dependant)

Working Time: 45 minutes @ 70°F (temperature dependant)

APPLICATIONS

- HTV and RTV Silicone rubber.
- Adhesives and Sealants.
- Paints and Coatings.
- Printing inks.
- Cable compounds.
- Unsaturated polyester resins, Laminated resins and gel coats.

PROPERTIES

- Reinforcement filler in elastomers.
- Rheology and thixotropy control of liquid systems, binders, polymers, etc.
- Used as anti-settling, thickening, anti-sagging agent.
- Improvement of free flow and anti-caking characteristics of powders.
- High transparency.

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PHYSICOCHEMICAL DATA

PROPERTIES	UNIT	TYPICAL VALUE	STANDARDIZATION
Specific surface area (BET)	m ² /g	200±25	GB/T 20020-2005
pH-value in 4% dispersion		3.6~4.5	ISO787-9
Loss on drying (2h @ 105°C)	%	≤1.5	ISO787-2
Loss on ignition (2h @ 1000, based on material dried for 2h @ 105°C)	%	≤2.5	ISO787-2
Sieve residue (45µm)	%	≤0.05	ISO787-18
Silica content (based on ignited material)	%	≥99.8	ISO3262-20
Tamped density (based on material dried for 2h @ 105°C)	g/L	25~60	ISO787-11
Carbon content (based on material dried for 2h @ 105°C)	%	≤0.2	ISO3262-20

For further data such as chemical and abrasion resistance, and other technical specifications, please refer to our Enviro Poxy EP100 product data sheet.



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