Rapollo Resins

Technical datasheet

A-Pox Epoxy Concrete
B-Cure Concrete Primer 35

The epoxy is based on epoxy resin of Diglycidyl ether of Bisphenol-A + Diglycidyl ether of Bisphenol-F. It is modified with multifunctional reactive diluent in order to give reduced viscosity resin with improved adhesion to difficult surfaces – mainly “green” concrete. The epoxy has good mechanical strength and enhanced chemical resistance.

Curing agent is a blend containing polyamines and cycloaliphatic types modified thus achieving very good wetting and curing properties even at damp concrete. Glossy surface with no blush. Short pot-life for more efficient work.

System can be stored at ambient temperature at least 12 months at + 15 degr.C.

Typical applications:
Concrete where increased strength and chemical resistance is needed.
Concrete primer system is to be used as basis for Concrete Top-Coat in order to achieve best possible result.

Typical Properties epoxy:

Epoxy Equivalent Weight (g/eq)	210-230
Viscosity (mPas / 25°C)	3000-5000mPas
Density (g/cm^3 25°C)	1.15-1.16
Color (Gardner)	<2

Typical Properties curing agent:

AHEW	85-95
Viscosity (mPas / 25°C)	75-150 mPas
Density (g/cm^3 25°C)	0,98
Color (Gardner)	<4

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Mix-ratio: 100:35 pbw

Pot-life: 20-27 min – 200gr specimen at RT.

Properties neat resin sample:

Tg onset. 50degr.12h	51-56 degr.C
Tensile elongation to break	49-54 mPa
Tensile modulus	2500-2800mPa
3-Point bending	87 - 93 mPa
3-Point bending mod.	2300 - 2700 mPa

Handing precautions:
Product may cause skin and eye irritation. In cases of skin contact wash immediately with soap and water. For eyes, flush with plenty of water for 15 minutes and seek medical attention immediately.

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