

R10 - 500

POLYESTER RESIN

DESCRIPTION:

R10-500 is a medium or heavy duty laminate lining consisting of polyester resin, reinforced with fiberglass. The laminate lining system components combine to provide exceptional mechanical properties even at high temperature. This system offer high resistance to abrasion, water, acids, some solvents and alkalis.

COMPLIANCE:

ASTM D – 3039 (Tensile Strength and Modulus)
ASTM D – 790 (Flexural Strength and Modulus)

PHYSICAL PROPERTIES:

Mix Ratio	0.5% of MEK hardener to Resin by volume
Pot-life	20-30 minutes @ room temperature (25°C)
Tack-Free Time	65-70 minutes @ room temperature (25°C)
Initial Cure Time	3 days @ room temperature (25°C)
Full Cure Time	7 days @ room temperature (25°C)
Dynamic Viscosity	370 mPa.s @ 25 °C
Shelf-Life	1 year under normal temperature
Shrinkage	Minimum shrinkage @ curing action
Tensile Strength	22,000 psi (ASTM D-3039)
Tensile Modulus	1.7 x 10 ⁶ psi (ASTM D-3039)
Flexural Strength	30,000 psi (ASTM D-790)
Flexural Modulus	1.2 x 10 ⁶ psi (ASTM D-790)
Chemical Resistance	Highly resistant to most acids, alkalis, salts, alcohol & solvents
Color	Clear



EPOXY FLOOR COATING