



10.08.2016

TARDIGRADE EPST 120

Two Component, Solvent Free, Epoxy Resin Based Primer

Product Information:

Appearance / Color

Resin – part A : transparent brown, liquid
Hardener – part B : light yellow, liquid

Technical Information

Chemical Structure : Epoxy

Density (ASTM D792 / ISO 1183 / DIN 53479)

Resin – part A : 1.480 kg/l
Hardener – part B : 1.010 kg/l
Mixed resin A + B : 1.390 kg/l

Viscosity (ASTM D2555 / ISO 2555 / DIN EN ISO 2555)

Resin – part A : 1700 mPa·s
Hardener – part B : 278 mPa·s
Mixed resin A + B : 1300 mPa·s

Water Absorption (ASTM D570-98 / ISO 62 / DIN 53495)

0.002

Potlife

49 minutes (23 °C).





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Mechanical / Physical Properties

TEST	METHOD			VALUE		
				Average	Maximum	Minimum
Compressive strength	ASTM D695	ISO 604	DIN 53454	67 MPa	75 MPa	63 MPa
Flexural strength	ASTM D790	ISO 178	DIN 53452	38,39 MPa	43,27 MPa	32,68 MPa
Maximum force	ASTM D638	ISO 527	DIN 53457	499 N	511 N	417 N
% elongation at break	ASTM D638	ISO 527	DIN 53457	% 19,25	% 23,32	% 17,66
Bond strength	ASTM D7234	ISO 16276	DIN 16276	9,65 MPa	11,23 MPa	8,72 MPa
Shore D hardness	ASTM D2240	ISO 868	DIN 53505	79	83	77

Test results for Tardigrade EPST 120 Two Component, Solvent Free, Epoxy Resin Based Primer





ISTANBUL UNIVERSITY
Engineering Faculty
Chemical Engineering Department



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Chemical Resistance

Chemicals	Values
HYDROCHLORIC ACID 25%	2
HYDROCHLORIC ACID 10%	3
NITRIC ACID 25%	2
NITRIC ACID 10%	3
FORMIC ACID 25%	2
FORMIC ACID 10%	3
ACETIC ACID 25%	3
ACETIC ACID 10%	3
SULPHURIC ACID 25%	3
SULPHURIC ACID 10%	3
LACTIC ACID 25%	3
LACTIC ACID 10%	3
ETHYL ALCOHOL	3
AMMONIA	3
PERCHLOROETHYLENE	3
DIESEL FUEL	3
ACETONE	3
FUEL THINNER	3
HYDRAULIC OIL	3
THINNER	3

Excellent 3 Good 2
Low 1 Not resistant 0

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