



Sayı: B.30.2.İST.0.17.81.00/693 / 2056

29.10.2014

TARDIGRADE ERMT 900

Three Component, Solvent Free, Epoxy Based Repair and Filling Mortar

Product Information:

Appearance / Color

Resin – part A : transparent, liquid
Hardener – part B : pale yellow, liquid
Aggregate – part C : pale yellow, aggregate

Technical Information

Chemical Structure : Epoxy

Density (ASTM D792 / ISO 1183 / DIN 53479)

Resin – part A : 1.100 kg/l
Hardener – part B : 1.010 kg/l
Mixed resin A + B + C : 1.720 kg/l

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

Resin – part A : 2300 mPa·s
Hardener – part B : 340 mPa·s
Mixed resin A + B + C : – (paste)

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

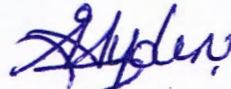
– (0.002%).

Pot Life

60 minutes (23 °C).



34320 Avcılar/İSTANBUL Tel: +90 212 473 70 70 Fax: +90 212 473 71 80


Prof. Dr. İsmail AYDIN
BSc, DIC, PhD



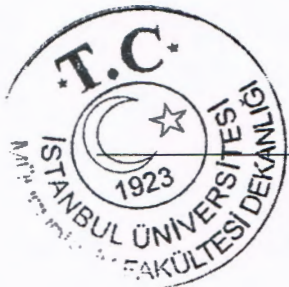
TARDIGRADE ERMT 900

Three Component, Solvent Free, Epoxy Based Repair and Filling Mortar

Mechanical / Physical Properties:

TEST	METHOD			VALUE		
				Average	Maximum	Minimum
Compressive strength	ASTM D695	ISO 604	DIN 53454	85 MPa	96 MPa	80 MPa
Flexural strength	ASTM D790	ISO 178	DIN 53452	42.25 MPa	49.38 MPa	38.76 MPa
Maximum force	ASTM D638	ISO 527	DIN 53457	263 N	284 N	246 N
% elongation at break	ASTM D638	ISO 527	DIN 53457	2.75%	3.26%	2.37%
Bond strength	ASTM D4541	ISO 4624	DIN 4624	12.89 MPa	14.47 MPa	10.89 MPa
Shore D hardness	ASTM D2240	ISO 868	DIN 53505	84	88	79

Test results for Tardigrade ERMT 900 Three Component, Solvent Free, Epoxy Based Repair and Filling Mortar.





TARDIGRADE ERMT 900

Three Component, Solvent Free, Epoxy Based Repair and Filling Mortar


Chemical Resistance

Chemicals	Values
HYDRCHLORIC ACID 25%	2
HYDRCHLORIC ACID 10%	3
NITRIC ACID 25%	2
NITRIC ACID 10%	3
FORMIC ACID 25%	2
FORMIC ACID 10%	3
ASETIC ACID 25%	3
ASETIC ACID 10%	3
SULFURIC ACID 25%	3
SULFURIC 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

Prof. Dr. İsmail AYDIN
Istanbul University
Engineering Faculty
Chemical Engineering Department




Prof. Dr. İsmail AYDIN
BSc, DIC, PhD