



ISTANBUL UNIVERSITY
Engineering Faculty
Chemical Engineering Department



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TARDIGRADE ERGF 915

Two Component, Solvent Free, Epoxy Based Thixotropic Repair and Filling Mortar

Product Information:

Appearance / Color

Resin – part A : gray, paste
Hardener – part B : cream, paste

Technical Information

Chemical Structure : Epoxy

Density (ASTM D792 / ISO 1183 / DIN 53479)

Resin – part A : 1.530 kg/l
Hardener – part B : 1.450 kg/l
Mixed resin A + B : 1.500 kg/l

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

Resin – part A : 15700 mPa·s
Hardener – part B : 26000 mPa·s
Mixed resin A + B : 16000 mPa·s

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

– (0.002%).

Pot Life

60 minutes (23 °C).



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Mechanical / Physical Properties

TEST	METHOD			VALUE		
				Average	Maximum	Minimum
Compressive strength	ASTM D695	ISO 604	DIN 53454	93 MPa	99 MPa	88 MPa
Flexural strength	ASTM D790	ISO 178	DIN 53452	26.55 MPa	29.45 MPa	23.54 MPa
Maximum force	ASTM D638	ISO 527	DIN 53457	257 N	263 N	251 N
% elongation at break	ASTM D638	ISO 527	DIN 53457	11.95%	12.13%	9.87%
Bond strength	ASTM D4541	ISO 4624	DIN 4624	12.88 MPa	15.40 MPa	10.08 MPa
Shore D hardness	ASTM D2240	ISO 868	DIN 53505	71	76	67

Test results for Tardigrade ERGF 915 Two Component, Solvent Free, Epoxy Based Thixotropic Repair and Filling Mortar.





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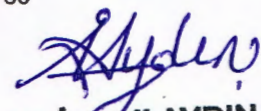
Chemical Resistance

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

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