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TARDIGRADE ECAS 290

Epoxy Based, Two Component, Solvent Free, Self Levelling Antistatic Floor Coating

Product Information:

Appearance / Color

Resin – part A : gray, liquid
Hardener – part B : pale yellow, liquid

Technical Information

Chemical Structure : Epoxy

Density (ASTM D792 / ISO 1183 / DIN 53479)

Resin – part A : 1.540 kg/l
Hardener – part B : 1.060 kg/l
Mixed resin A + B : 1.420 kg/l

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

Resin – part A : 3400 mPa·s
Hardener – part B : 180 mPa·s
Mixed resin A + B : 1050 mPa·s

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

0.010%

Pot Life

90 minutes (23 °C).

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Mechanical / Physical Properties

TEST	METHOD			VALUE		
				Average	Maximum	Minimum
Compressive strength	ASTM D695	ISO 604	DIN 53454	90 MPa	106 MPa	82 MPa
Flexural strength	ASTM D790	ISO 178	DIN 53452	44.85 MPa	48.13 MPa	39.68 MPa
Maximum force	ASTM D638	ISO 527	DIN 53457	378 N	391 N	366 N
% elongation at break	ASTM D638	ISO 527	DIN 53457	5.66%	8.31%	4.28%
Bond strength	ASTM D4541	ISO 4624	DIN 4624	3.05 MPa	5.98 MPa	2.81 MPa
Shore D hardness	ASTM D2240	ISO 868	DIN 53505	78	83	75

Test results for Tardigrade ECAS 290 Epoxy Based, Two Component, Solvent Free, Self Levelling Antistatic Floor Coating.





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Chemical Resistance

Chemicals	Values
HYDRCHLORIC ACID 25%	2
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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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