



10.08.2016

## TARDIGRADE ECWT 250

Two Component, Epoxy Resin Based Coating with Orange-Peel Texture, Water Based Coating Material

### Product Information:

#### **Appearance / Color**

Resin – part A : white, liquid  
Hardener – part B : orange, liquid

### Technical Information

**Chemical Structure :** Epoxy

#### **Density (ASTM D792 / ISO 1183 / DIN 53479)**

Resin – part A : 1.600 kg/l  
Hardener – part B : 1.100 kg/l  
Mixed resin A + B : 1.420 kg/l

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

Resin – part A : 12000 mPa·s  
Hardener – part B : 2400 mPa·s  
Mixed resin A + B : 8500 mPa·s

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

0.191

#### **Potlife**

57 minutes (23 °C).





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### Mechanical / Physical Properties

TEST	METHOD			VALUE		
				Average	Maximum	Minimum
Compressive strength	ASTM D695	ISO 604	DIN 53454	-	-	-
Flexural strength	ASTM D790	ISO 178	DIN 53452	-	-	-
Maximum force	ASTM D638	ISO 527	DIN 53457	-	-	-
% elongation at break	ASTM D638	ISO 527	DIN 53457	-	-	-
Bond strength	ASTM D7234	ISO 16276	DIN 16276	6.24 MPa	7.43 MPa	6.07 MPa
Shore D hardness	ASTM D2240	ISO 868	DIN 53505	79	83	72

Test results for ECWT 250 Two Component, Epoxy Resin Based Coating with Orange-Peel Texture, Water Based Coating Material





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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

