



10.08.2016

## TARDIGRADE PCTX 250

Two Component, Solvent Free, Orange-Peel Texture Polyurethane Based Semi-Elastic Coating and Waterproofing Material

### Product Information:

#### **Appearance / Color**

Resin – part A : grey, liquid  
Hardener – part B : red brown, liquid

### Technical Information

**Chemical Structure :** Polyurethane

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

Resin – part A : 1.500 kg/l  
Hardener – part B : 1.200 kg/l  
Mixed resin A + B : 1.460 kg/l

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

Resin – part A : 13000 mPa·s  
Hardener – part B : (DIN CUP 4) 13 s  
Mixed resin A + B : 5300 mPa·s

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

0.001

#### **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	312 N	345 N	298 N
% elongation at break	ASTM D638	ISO 527	DIN 53457	113%	121%	95%
Bond strength	ASTM D7234	ISO16276	DIN 16276	3.89 MPa	4.63 MPa	3.61 MPa
Shore A hardness	ASTM D2240	ISO 868	DIN 53505	85	88	76

Test results for Tardigrade PCTX 250 Two Component, Solvent Free, Orange-Peel Texture Polyurethane Based Semi-Elastic Coating and Waterproofing Material



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### Chemical Resistance:

Chemicals	Values
HYDROCHLORIC ACID 25%	2
HYDROCHLORIC ACID 10%	3
NITRIC ACID 25%	2
NITRIC ACID 10%	2
FORMIC ACID 25%	3
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

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

34320 Avcılar/ISTANBUL Tel: +90 212 473 70 70 Fax: +90 212 473 71 88

  
Prof. Dr. İsmail AYDIN  
BSc, DIC, PhD

