





THE SAFETY OF YOUR INDUSTRIAL COATING PROCESSES

Novol offers an end to end customer service package comprising of technical assistance, laboratory support and rapid warranty claims handling. The offer can be tailored to your individual needs to ensure first class support.

NOVOL WARRANTY SYSTEM

NOVOL provides its B2B customers with a 5 year warranty on coating durability. This guarantee is testament to our confidence in product performance and quality.

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industrial
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COATING TECHNOLOGY FOR CONSTRUCTION MACHINERY



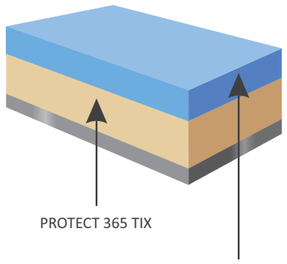
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THE TECHNOLOGIES BEHIND THE INDUSTRIAL COATING SYSTEMS

Epoxy polyurethane coating system

PROTECT 365 TIX epoxy primer + NOVOPUR 1090 polyurethane topcoat

Solids content (vol.):	*PROTECT 365: 60%*	*NOVOPUR 1090: 57%*
Time to recoat wet-on-wet	*40 min / 20°C*	
Corrosivity class (PN-EN ISO 12944-2)	*C3 M*	
NDFT	*120 µm*	
Coating durability (PN-EN ISO 12944-1)	*7-15 years*	
Corrosion resistance (PN-EN ISO 12944; NOVOL's internal testing)	*720 h*	
Adhesion (PN-EN ISO 2409:2013-06)	*Steel 0/0; hot-dip zinc coating 1/1; galvanic zinc coating 1/1, aluminium 0/0*	
Pull-off adhesion strength (PN-EN ISO 4624:2004)	*Steel > 5 MPa, aluminium > 5 MPa*	
UV resistance (PN-EN ISO 16474-3:2014-02) DE < 3.5	*700 h*	
Cupping (PN-EN ISO 1520:2007)	*4 mm*	
Impact resistance (PN-EN ISO 6272-1:2011)	*Min. 40 mm*	
Pencil hardness (PN-EN ISO 15184:2013-04)	*HB*	
Hardness, pendulum damping test (PN-EN ISO1522:2008)	*160 sec.*	
Gloss level (PN-EN ISO 2813:2001)	*90/20°*	

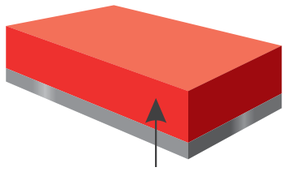


PROTECT 365 TIX NOVOPUR 1090

Single-layer DTM polyurethane system

NOVORUST 2090/2080/2070/2050/2030/2020 DTM polyurethane topcoats

Solids content (vol.):	*NOVORUST 2090: approx. 61%*
Corrosivity class (PN-EN ISO 12944-2)	*C3 M*
NDFT 1	*120 µm*
Coating durability (PN-EN ISO 12944-1)	*7-15 years*
Corrosion resistance (PN-EN ISO 12944; NOVOL's internal testing)	*720 h*
Adhesion (PN-EN ISO 2409:2013-06)	*Steel 0/0; hot-dip zinc coating 1/1; galvanic zinc coating 1/1, aluminium 0/0*
Pull-off adhesion strength (PN-EN ISO 4624:2004)	*Steel > 5 MPa, aluminium > 5 MPa*
UV resistance (PN-EN ISO 16474-3:2014-02) DE < 3.5	*350 h*
Cupping (PN-EN ISO 1520:2007)	*4 mm*
Impact resistance (PN-EN ISO 6272-1:2011)	*Min. 40 mm*
Pencil hardness (PN-EN ISO 15184:2013-04)	*HB*
Hardness, pendulum damping test (PN-EN ISO1522:2008)	*150 sec.*
Gloss level (PN-EN ISO 2813:2001)	*90 / 80/ 70 / 50 / 20, binder type-dependent*



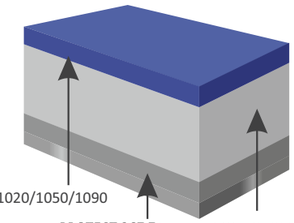
NOVORUST 2090 NOVORUST 2080 NOVORUST 2070

NOVORUST 2050 NOVORUST 2030 NOVORUST 2020

Epoxy polyurethane coating system

PROTECT 367 ZN epoxy primer + PROTECT 366 + NOVOPUR 1020/1050/1090 polyurethane topcoat

Corrosivity class (PN-EN ISO 12944-2)	*C4M*
NDFT	*60/50/50 um*
Coating durability (PN-EN ISO 12944-1)	*7-15 years*
Corrosion resistance (PN-EN ISO 12944-6)	*1000 h*
Adhesion (PN-EN ISO 2409:2013)	*Stal 0/0*
Pull-off adhesion strength (PN-EN ISO 4624:2004)	*Steel > 5 Mpa*
UV resistance (PN-EN ISO 16474-3:2014-02) DE < 3.5	*700 h*
Cupping (PN-EN ISO 1520:2007)	*4 mm*
Impact resistance (PN-EN ISO 6272-2)	*Min. 40 cm*
Pencil hardness (PN-EN ISO 15184:2013-04)	*HB*
Hardness, pendulum damping test (PN-EN ISO 1522:2008)	*0,65 glass hardness*
Gloss level PE-EN ISO 2813:2001 (at 60°)	*50*



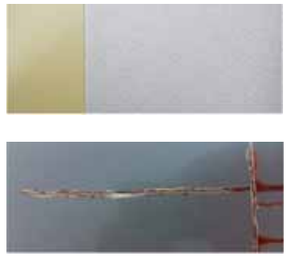
NOVOPUR 1020 NOVOPUR 1050 NOVOPUR 1090

PROTECT 367 Zn PROTECT 366

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NOVOL INDUSTRIAL COATING SYSTEMS

Epoxy polyurethane coating system





Single-layer DTM polyurethane system





Epoxy polyurethane coating system



