



## CORROSION PROTECTION

- HEAVY INDUSTRIAL
- MARINE
- POWER
- MINING
- BRIDGE STRUCTURES
- HARBOURS
- CHEMICAL PROCESSING
- PETROCHEMICAL
- WASTE WATER TREATMENT



Technical Finishes is distinguished by its ability to develop and manufacture engineered protection systems. Their chemists see to it that they remain innovative and leaders in the field of corrosion protection for both steel and concrete structures.

The organisation continually develops novel products and ensures that they have the latest in technology, constantly driving cost efficiency and protection of valuable assets in extreme environments. In addition they also make sure that their manufacturing processes and product performance is of the best quality and complies with the ISO Quality Management System.

**CLIENT BENEFITS INCLUDE:**

- Extended life expectancy and performance of structures
- Minimized downtime and shorter return to service time
- Easy and efficient application methods
- Excellent aesthetic properties

**SYSTEM FEATURES INCLUDE:**

- Superior chemical resistance
- Excellent abrasion resistance
- Resistance to seawater and salt spray
- Short curing time and touch dry
- Good surface tolerance and adhesion properties
- Excellent coverage
- Range of colours available

Technical Finishes is a South African based organisation that have manufacturing facilities in the Western Cape, Gauteng and KwaZulu-Natal and are well positioned to meet the needs of our customers and provide support country wide through specifications, training and application support. Their corrosion product range is also available through various distributors including Africa.



GENERIC DESCRIPTION OF PRODUCTS		
Solvent Based ISO Systems		
Environment	Description	DFT (um)
ISO C2	Acrylic DTM Coating	120
ISO C3	Alkyd Polyurethane Zinc Phosphate Primer	70
	Alkyd Polyurethane Zinc Phosphate Intermediate Coat	50
	Alkyd Polyurethane Zinc Phosphate Top Coat	50
ISO C4	Zinc Phosphate Epoxy Primer	80
	Polyurethane Top Coat	120
ISO C5	Zinc Phosphate Epoxy Primer	120
	Zinc Phosphate Epoxy Intermediate Coat	120
	Polyurethane Top Coat	80
Water Based ISO Systems		
Environment	Description	DFT (um)
ISO C1	Water-based Acrylic Zinc Phosphate Coating	80
ISO C2	Water-based Zinc Phosphate Epoxy Primer	100
	Water-based Polyurethane	80
ISO C3	Water-based Zinc Phosphate Epoxy Primer	100
	Water-based Zinc Phosphate Epoxy Intermediate Coat	100
	Water-based Polyurethane	80

TECHNICAL FINISHES SYSTEMS			
Solvent Based Coating Systems			
Environment	Description	Mix Ratios	DFT (um)
ISO C2	Solidguard Touch-Up	1k	120
ISO C3	Solidguard 50 ZP Primer	1k	70
	Solidguard 50 ZP Intermediate Coat	1k	50
	Solidguard 50 ZP Top Coat	1k	50
ISO C4	Solidguard 75 EPZ Primer	1:1	120
	Solidguard PUR Top Coat	1:4	80
ISO C5	Solidguard 75 EPZ Primer	1:1	120
	Solidguard 75 EPZ Intermediate Coat	1:1	120
	Solidguard PUR Top Coat	1:4	80
Water Based Coating Systems			
Environment	Description	Mix Ratios	DFT (um)
ISO C1	Solidguard 303A	1k	80
ISO C2	Solidguard 227 Primer	1:4	100
	Solidguard PUW Top coat	1:9	80
ISO C3	Solidguard 227 Primer	1:4	100
	Solidguard 227 Intermediate Coat	1:4	100
	Solidguard PUW Top coat	1:9	80



GENERIC DESCRIPTION OF PRODUCTS		
Galvanised Steel Coatings		
Environment	Description	DFT (um)
ISO C3	Water-based Zinc Phosphate Epoxy Primer	100
	Water-based Polyurethane	50
ISO C4	Zinc Phosphate Epoxy Primer	120
	Polyurethane Top Coat	50
ISO C5	Zinc Phosphate Epoxy Primer	100
	Zinc Phosphate Epoxy Intermediate Coat	100
	Polyurethane Top Coat	50
Submerged Steel		
Environment	Description	DFT (um)
ISO IM1,	Surface Tolerant Epoxy Primer	200
IM2, IM3	Chemical Resistant Epoxy Top Coat	300

TECHNICAL FINISHES SYSTEMS			
Galvanised Steel Coatings			
Environment	Description	Mix Ratios	DFT (um)
ISO C3	Solidguard 227 Primer	1:4	100
	Solidguard PUW Top Coat	1:9	50
ISO C4	Solidguard 75 EPZ Primer	1:1	120
	Solidguard PUR Top Coat	1:4	50
ISO C5	Solidguard 75 EPZ Primer	1:1	100
	Solidguard 75 EPZ Intermediate Coat	1:1	100
	Solidguard PUR Top Coat	1:4	50
Submerged Steel			
Environment	Description	Mix Ratios	DFT (um)
ISO IM1,	Solidguard STP Primer	1:2	200
IM2, IM3	Solidguard HCP Top Coat	As supplied	300

ENVIRONMENT CLASSIFICATION CODES:	
<p><b>C1 : Heated buildings/neutral atmosphere</b></p> <p><b>C2 : Rural areas, low pollution</b></p> <p><b>C3 : Urban and industrial atmospheres, Moderate sulphur dioxide levels, Production areas with high humidity</b></p> <p><b>C4 : Industrial and coastal, Chemical processing plants</b></p> <p><b>C5 : Industrial areas with high humidity and aggressive atmospheres. Marine, offshore, estuaries, coastal areas with high salinity</b></p>	<p><b>IM1 : Immersion in fresh water</b></p> <p><b>IM2 : Immersion in sea water or brine</b></p> <p><b>IM3 : Immersion in soil</b></p>



GENERIC DESCRIPTION OF PRODUCTS	
GENERAL	
Description	DFT (um)
<b>Food and Beverage</b>	
Universal Epoxy Primer	200
Food Grade Epoxy Coating	100
<b>Maintenance and Repair</b>	
Aluminium Filled Epoxy Mastic	200 - 500
Polyurethane Top Coat	80
<b>Waste Water Treatment</b>	
Surface Tolerant Epoxy Primer	200
Chemical Resistant Epoxy Tar Intermediate Coat	200
Chemical Resistant Epoxy Tar Top Coat	200

TECHNICAL FINISHES SYSTEMS		
GENERAL		
Description	Mix Ratios	DFT (um)
<b>Food and Beverage</b>		
Solidkote UP Epoxy Primer	1:2	200
Solidguard HCP Top Coat	As supplied	100
<b>Maintenance and Repair</b>		
Steelemastic 168	1:2	200 - 500
Solidguard PUR Top Coat	1:4	80
<b>Waste Water Treatment</b>		
Solidguard STP Primer	1:2	200
Solidguard 230 Intermediate Coat	1:1	200
Solidguard 230 Top Coat	1:1	200

THIN FILM PROTECTIVE COATINGS FOR CONCRETE				
Product	Description	Environment	Number of coats	DFT (um)
<b>Epoxy Coatings</b>				
Solidkote WB Epoxy	Durable water-based epoxy floor coating	Interior	2 coats	100 / coat
Solidkote UP Epoxy Primer	Concrete Primer	Interior	1 coat	200
Solidkote Robust HB	High Build Epoxy Coating		1 coat	300
<b>Polyurethane Coatings</b>				
Solidkote PU	Single pack moisture curing polyurethane	Interior	2 coats	80 / coat
Solidkote UVC	Twin pack solvent-based polyurethane	Interior / Exterior	2 coats	80 / coat
Solidkote UV Satin	Twin pack water-based polyurethane	Interior / Exterior	2 coats	80 / coat



Technical Finishes (Pty) Ltd manufacture a wide range of Epoxy and Polyurethane Systems locally, using International Technology. Our factories in Gauteng and Cape Town are certified as SABS ISO 9001:2015 Quality Management Systems facilities and committed to the development of local expertise.

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