



**SWISS
KUTLER**

FUNCTIONAL EPOXY SYSTEMS

Swiss Kutler has evolved over the past 45 years in the Industrial Epoxy Coatings Market. As a SME, we provide customized coating systems, which have been validated by the SABS since 1989.



FUNCTIONAL PERFORMANCE



South African Bureau of Standards



TEST DATA 1980-2020

Date Test Type / Test Institute

1982/10/05 Brake Fluid Emersion at 90 Degrees Celsius for 207h
 1987/05/05 Emersion in Nitric Acid
 1987/05/05 Hydrochloric Acids
 1987/05/05 Aqua Regia
 1987/05/05 Sulphuric Acid
 1987/05/05 Ammonium Hydroxide
 1987/05/05 Perchloric Acid
 1987/05/05 Sodium Hydroxide
 1987/05/05 Acetone
 1987/06/09 Food Pickling Environment
 1988/01/01 Salts Plant Storage Tanks
 1989/04/04 Salt Fog Test,
 1989/04/04 Artificial Weathering,
 1989/04/04 Temperature Resistance,
 1989/04/04 Abrasion Resistance,
 1989/04/04 Dry Abrasion Resistance, Falling Sand,
 1989/04/04 Impact Resistance,
 1989/04/04 Adhesion, Cross Cut,
 1989/04/28 Artificial Weathering Test, 1000h
 1989/04/28 Flexibility on 6mm mandrel
 1990/11/20 Food Pickling Environment
 1991/03/18 Military Vehicles, Oils, Brake fluid, Diesel, Grinding etc.
 1991/10/01 Electrostatic Test, Wagner Dual Tester
 1992/02/02 Wear resistance, high traffic floors
 1994/03/28 Combustion Test,
 1994/09/23 Combustion at 300 Degrees Celsius for 2h
 1995/08/28 Caustic Soda,
 1996/05/22 Maintenance on Floors after 4 years
 1997/02/19 Abrasion Test ASTM D4060
 1997/02/19 Adhesion Test, SABS ISO 2409
 1997/02/19 Abrasion Test ASTM D4060
 1997/02/19 Adhesion Test,
 1999/11/04 10 Year use of SO411 is Citrus Processing Bath
 1999/11/04 Sterkfontein Dam Outlet, 45 Cubic Metres per Second
 2000/01/14 Tainting and Toxicity Test,

Result

Alfred Teves, Adhering well and no signs of disintegration
 Eskom, No Physical Damage
 Eskom, No Physical Damage
 Eskom, No Physical Damage
 Eskom, No Physical Damage
 Eskom, No discolouration, no physical damage
 Eskom, No discolouration, no physical damage
 Eskom, No discolouration, no physical damage
 Eskom, No discolouration, no physical damage
 Irvin & Johnson, No deterioration after 12 months
 Zinchem, Suitable for application
 SABS Method 155, 1000hSABS, No defects
 SABS Method 182, 1000hSABS, No defects
 150 Degrees Celsius, 20h SABS Appreciable yellowing, no other defect
 ASTM D4060 SABS, 0,1
 SABS 143 SABS>100
 SABS 146, 6,67J SABS<6,78
 SABS 159 SABS10
 SABS, No red rust or impurities were found
 SABS, First crack at 45 Degrees
 Langeberg Foods Limited, Excellent Results
 ERMETEK, Approved by Armscor and S.A. Army
 CSIR No Electrostatic Properties
 Firestone South Africa, Excellent condition after 12 months
 CSIR UL214 CSIRSO411 does not support combustion
 SABS, Carbonizing at edges, no loss of adhesion
 Bottling Plant Coca Cola, Very Good Results in 3 years
 Firestone South Africa Cost Saving of ZAR 556,683,00
 SABS, 0,045g loss
 SABS No loss of adhesion
 SABS0,038@1000 cycles and 0,056@2000 cycles
 SABS ISO 2409 SABS, Zero, no loss
 Karino Citrus, No Refurbishment Required
 Department of Water Affairs, No Sign of Disintegration as from 1995
 SABS 1217 SABS, Complies with requirement of SABS 1217

NON-TOXICITY DATA

Test the coating for tainting and toxicity in accordance with SABS 1217 "The production of painted and powder coated steel pipes".				Upper Limit Ranges, SABS 241 : 1999			
Method	LAB	RESUL T P1895 SAMPL E	Class 0 (Ideal)	Class 1 (Acceptab le)	Class 3 (Maximum Allowable)	5455	
							Reference
Physical and Organoleptic Requirements							
Colour in mg/l of platinum	SABS 198	T0027	<10	15	20	50	
Colour in mg/l of platinum	SABS1057	T0027	0,24	70	150	370	
Conductivity (automated) at 25°C mS/m	SABS 213	T0027	<20	450	1000	2400	
Odour as Threshold Odour No[TON]	SM 2150B	N/A	<5	1	5	10	
pH at 25°C (automated)	SABS 11	T0027	5,0	6,0 - 9,0	5,0 - 9,5	4,0 - 10,0	
Taste as Flavour Threshold No [FTN]	SM2160B	N/A	<5	1	5	10	
Turbidity in nephelometric units	SABS 197	T0027	0,7	0,1	1	10	
Chemical requirements							
Macro-determinands							
Ammonia as Nin mg/l	SABS 217	T0027	<0.3	0,2	1,0	2,0	
Calcium[recoverable] as Ca in mg/l	ISO 11885	T0027	<0,1	80	150	300	
Chloride as Cl in mg/l	ISO 11885	T0027	<0,05	100	200	600	
Fluoride as F in mg/l	SABS 205	T0027	<5	0,7	1,0	1,5	
Magnesium[recoverable]as Mg in mg/l	ISO 11885	T0027	<0,1	30	70	100	
Nitrate and nitrite as N in mg/l	SABS 210	T0027	<0,3	6,0	10,0	20,0	
Potassium as Kin mg/l	SM 3500-K	T0027	<1	25	50	100	
Sodium as Na in mg/l	SABS 1050	T0027	<1	100	200	400	
Sulfate as SO ₄ in mg/l	SM 4500[E]	N/A	5	200	400	600	
Zinc[total] as Zn in mg/l	ISO 11885	T0027	<0,05*	3,0	5,0	10,0	
Chemical requirements:							
Micro-determinands							
Aluminium[total]as Al in ug/1	ISO 11885	T0027	<70*	150	300	500	
Sub-Cont	Lab	T0027	<2	5	10	50	
Antimony as Sb in ug/1	ISO 11885	T0027	<2	10	50	200	
Arsenic [recoverable] as in ug/1	ISO 11885	T0027	<3*	3	5	20	
Cadmium [total]as Cd in ug/1	ISO 11885	T0027	<50*	50	100	500	
Chromium [total] as Cr in ug/1	ISO 11885	T0027	<50*	250	500	1000	
Cobalt [total] as Co ug/1	ISO 11885	T0027	<30*	1	2	5	
Sub-Cont	Lab	T0036	<10	70	70	70	
Cyanide (free) as CN ug/1	Sub-Cont	Lab	T0036	<10	70	200	300
Cyanide (recoverable) as CN ug/1	ISO 11885	T0027	11*	10	200	2000	
Sub-Cont	Lab	T0036	<50*	10	50	100	
Lead [total] as Pb in ug/1	SABS 208	T0027	<30*	1	2	5	
Manganese [total] as Mn in ug/1	Sub-Cont	Lab	T0036	<0,5	50	150	250
Mercury as Hg in ug/1	ISO 11885	T0027	<30*	1	2	5	
Nickel [total] as Ni in ug/1	Sub-Cont	Lab	T0036	<2	50	150	300
Selenium [recoverable] as Se in ug/1	ISO 11885	T0027	<50*	10	20	30	
Vanadium [total] as V in ug/1	ISO 11885	T0027	<50*	10	20	30	

NON-TOXIC WHEN CURED





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**1:1
MIXTURE**

AquaTeq

AquaTeq is a high performance, durable 2-part epoxy coating system, suitable for swimming pools, koi and fishponds, reservoirs, retaining tanks and waterproofing applications. AquaTeq is a proven system, manufactured for over 40 years.

Surfaces include marbelite, fibreglass, concrete and plaster.



SPECIAL FEATURES

- Non-Toxic when cured
- No Primer Required
- 10 Year Life Expectancy
- Reduction of Chemicals
- Black Algae Resistant
- Resistant to Acids
- Resistant to Alkalis
- 3sqm per litre (2 coats)

AquaTeq can be applied by roller, brush, conventional and airless spray techniques. Surface preparation is crucial at all times to ensure the longevity of the system.

Pack Sizes

- 5Lt (2.5Lt A+2,5Lt B)
- 10Lt (5Lt A + 5Lt B)
- 20Lt (10Lt A + 10Lt B)



AquaTeq

STANDARD COLOUR CHART

PANTONE® 11-0601 TPG Bright White

PANTONE® 14-4318 TCX Sky Blue

PANTONE® 17-4139 TCX Azure Blue

PANTONE® 20-0146 TPM Magnetic Blue

PANTONE® 16-1326 TPG Prairie Sand

PANTONE® 17-5024 TPG Teal Blue

PANTONE® 19-3927 TPG Graphite

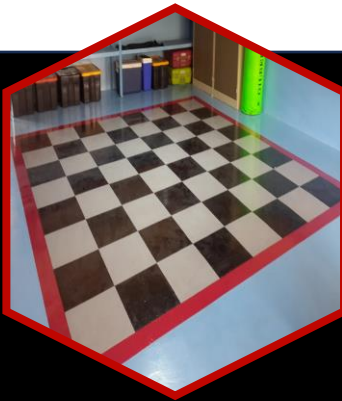
PANTONE® 19-0303 TCX Jet Black



1:1
MIXTURE

FloorTeq

FloorTeq is a high performance, durable 2-part epoxy coating system that is suitable for commercial, industrial and high traffic flooring applications. FloorTeq is a proven system, manufactured for over 40 years. The system is suitable for the food and beverage industry, workshops, commercial and residential.



FEATURES

- Non-toxic when cured
- Non-slip available
- No primer required
- 10 year life expectancy
- Resistant to brake fluid
- High wear resistant
- Resistant to acids
- Resistant to alkalis
- 3sqm per litre (2 coats)

FloorTeq can be applied by roller, brush, conventional and airless spray techniques. Surface preparation is crucial at all times to ensure the longevity of the system.

Pack Sizes

- 5Lt (2.5Lt A+2,5Lt B)
- 10Lt (5Lt A + 5Lt B)
- 20Lt (10Lt A + 10Lt B)



STANDARD COLOUR CHART

PANTONE® Cool Gray 1 C

PANTONE® Cool Gray 5 UP

PANTONE® 19-0203 TCX

Gray Pinstripe

PANTONE® 18-6026 TPG

Abundant Green

PANTONE® 12-0643 TCX

Blazing Yellow

PANTONE® 15-0850 TCX

Ceylon Yellow

PANTONE® 18-1664 TCX

Fiery Red

PANTONE® Black 6 C

PANTONE® 20-0146 TPM

Magnetic Blue

CREATED BY





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**1:1
MIXTURE**

SteelTeq

SteelTeq is a high performance, durable 2-part epoxy coating system that is suitable for ferrous and non-ferrous metals. It is specifically formulated as a DTM product (Direct To Metal), requiring no primers. It can also be applied in multiple stages, for higher layer DFT's. The perfect, durable system for corrosion protection



FEATURES

SPECIAL FEATURES

- Non-Static
- Excellent adhesion
- No primer required
- Resistant to acids
- Resistant to alkalis
- Non-conductive
- Ferrous and non-ferrous metals
- 3sqm per litre (200µm)

SteelTeq can be applied by roller, brush, conventional and airless spray techniques. Surface preparation is crucial at all times to ensure the longevity of the system.

Pack Sizes

- 5Lt (2.5Lt A+2,5Lt B)
- 10Lt (5Lt A + 5Lt B)
- 20Lt (10Lt A + 10Lt B)



SteelTeq

STANDARD COLOUR CHART

PANTONE® 12-4302 TCX

Vaporous Gray

PANTONE® 15-4703 TCX

Mirage Gray

PANTONE® 17-3914 TCX

Sharkskin

PANTONE® 18-4247 TCX

Brilliant Blue

PANTONE® 13-0859 TCX

Lemon Chrome

PANTONE® 19-3911 TCX

Black Beauty

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CONNECT