High Performance Epoxy Floor Systems









X-Tech EpoxySeal FLR55
X-Tech EpoxySeal FLR100
X-Tech EpoxyFloor SLU
X-Tech EpoxyFloor SL
X-Tech EpoxyFloor TF
X-Tech EpoxyFloor TU



X-Tech EpoxySeal FLR55 High performance coating for concrete and steel

Advantages

- High abrasion resistance
- Resistant to wide range of chemicals
- Long pot life
- · East to clean and maintain

Uses

- Food and beverage plants
- · Pharmaceutical facilities
- · Kitchens and laundries
- · Back of house

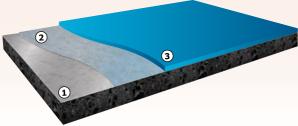
Service Temperature: 0°C to 80°C



Typical System

- 1. X-Prime SF (100 microns) or X-Prime MT (150 microns)
- 2. X-Tech EpoxySeal FLR55 (80 to 100 microns)
- 3. X-Tech EpoxySeal FLR55 (80 to 100 microns)





X-Tech EpoxyFloor SL Abrasion and chemical resistant self-leveling floor

Advantages

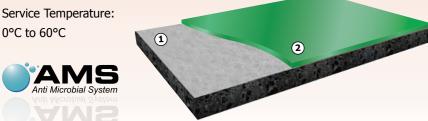
- High impact and abrasion resistance
- Fast application
- Easy to clean finish
- Resistant to wide range of chemicals
- Available in a range of colors

Uses

- Food and beverage plants
- · Pharmaceutical facilities
- · Kitchens and laundries
- Hospitals
- Clean rooms

0°C to 60°C

Chemical handling & processing areas



Typical System

- 1. 1. X-Prime SF (100 microns) or X-Prime MT (150 microns)
- 2. X-Tech EpoxyFloor SL



processing areas Oil refineries Workshops Battery rooms

Service Temperature: 0°C to 70°C



Typical System

1. 1. X-Prime SF (100 microns) or

3. X-Tech EpoxyFloor TF (3 to 10mm)

X-Prime MT (150 microns)

2. X-Tech AntiSlip Grains

(up to 1kg/m²)

(typically 5mm)

All systems meet SCAQMD Rule 1113 & LEED VOC limits and are formaldehyde free

Standard Color Range

Light Grey (RAL 7035) • Traffic Grey A (RAL 7042) • Traffic Grey B (RAL 7043) • Silver Grey (RAL 7001) • May Green (RAL 6017) Carmine Red (RAL 3002) • Traffic Blue (RAL 5017) • Cream (RAL 9001) • Saffron Yellow (RAL 1017) • Sand Yellow (RAL1002)

X-Tech EpoxyFLoor SLU and X-Tech EpoxyFloor TU base layers only available in a single color.

X-Tech EpoxySeal FLR100 Chemical resistant high build floor coating

Advantages

- High abrasion resistance
- Resistant to wide range of chemicals
- VOC compliant
- Smooth and anti-slip finish available
- Easy to clean and maintain

Uses

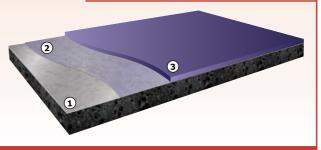
- Car park decks
- Pr ocess areas
- · Pharmaceutical, food and beverage plants
- Storage areas
- Stairwells

Service Temperature: 0°C to 35°C





- 1. 1. X-Prime SF (100 microns) or X-Prime MT (150 microns)
- (150 to 200 microns)
- (150 to 200 microns)



X-Tech EpoxyFloor TF High strength trowelable screed

Advantages

- · High impact and abrasion resistance
- Resistant to a wide range of chemicals
- Slip resistant
- Available in a range of colors

Uses

Food and beverage plants

- · Heavy engineering plants
- · Chemical handling and

Typical System

- 2. X-Tech EpoxySeal FLR100
- 3. X-Tech EpoxySeal FLR100



X-Tech EpoxyFloor TU High strength load bearing trowelable base layer

X-Tech EpoxyFloor SLU

High strength load bearing self levelling base layer

Advantages

Advantages Cost effective

High strength

Quick and easy to lay

Service Temperature:

Typical System

1. 1. X-Prime SF (100 microns) or

2. X-Tech EpoxyFloor SLU (2-10mm)

X-Prime MT (150 microns)

3. X-Tech EpoxySeal FLR100 or

X-Tech EpoxyFloor SL

X-Tech EpoxySeal FLR55 or

Durable

Seamless

0°C to 60°C

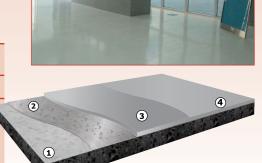
- Cost effective
- Durable

Service Temperature: 0°C to 65°C

Typical System

- 1. 1. X-Prime SF (100 microns) or X-Prime MT (150 microns)
- 2. X-Tech AntiSlip Grains (0.4kg/m²)
- 3. X-Tech EpoxyFloor TU (4-20mm)
- 4. X-Tech EpoxySeal FLR100 or X-Tech EpoxySeal FLR55 or

X-Tech EpoxyFloor SL



Bacteriostatic/Fungistatic Activity

Anti-microbial additives can be added to all products to protect against bacteriostatic and fungistatic activity.

The AMS system employed has been found to be effective in inhibiting the growth of the following organisms:

- Bacillus cereus
- Bacillus mycoides
- Bacillus subtilis
- Brevibacterium ammoniagenes
- Corynebacterium pseudodiptheriticum
- Enterococcus faecalis
- Micrococcus luteus
- Staphylococcus aureus

- Streptococcus pyogenes
- Acinetobacter calcoaceticus • Enterobacter aerogenes
- Escherichia coli
- Klebsiella pneumoniae
- Proteus vulgaris
- Salmonella typhimurium
- Trichophyton mentagrophytes

Where there is a risk of high MVER the use of X-Tech VaporStop HB is mandatory





















Laboratory Test Data

	Test	X-Tech EpoxySealFLR55	X-Tech EpoxySeal FLR100	X-Tech EpoxyFloor SL	X-Tech EpoxyFloor TF
Abra	sion Resistance ASTM D4060 CS10/1000r/1000g Weight Loss	< 50 mg	< 50 mg	< 50 mg	< 40 mg
	Impact Resistance ASTM D2794	< 3 Joules	>4 Joules	>5 Joules	>10 Joules
	Adhesion to Concrete ASTM D4541	< 2 MPa (CF)	> 2 MPa (CF)	> 2 MPa (CF)	> 2 MPa (CF)
	Adhesion to Steel ASTM D4541	< 8.0	> 8.0 MPa	> 7.6 MPa	>7.0 MPa
	Scrub Resistance ASTM D2486	< 8000	>10,000 cycles	>10,000 cycles	>10,000 cycles
	Scratch Resistance BS3900 Part E2	-	No Failure 2.5kg Load	No Failure 2.5kg Load	No Failure 2.5kg Load

CF = Bond failure in the concrete substrate

Product Details

Property	X-Tech EpoxySeal FLR55	X-Tech EpoxySeal FLR100	X-Tech EpoxyFloor SL	X-Tech EpoxyFloor TF	X-Tech EpoxyFloor SLU	X-Tech EpoxyFloor TU
Product Type	Solvented Epoxy	Sovent Free Epoxy	Sovent Free Epoxy	Sovent Free Epoxy	Sovent Free Epoxy	Sovent Free Epoxy
Typical Dry Film Thickness	135 to 165 microns	300 to 400 microns	2 to 6mm	3 to 10mm	4 to 10mm	4 to 20mm
Theoretical Coverage	5m²/L (200μm wft)	2.5m²/L (400μm)	0.5m²/L (2mm)	0.2m²/L (5mm)	3m2/12L pack at 4mm thickness	2.8 m2/pack at 5mm thickness
Volume Solids	63%	100%	100%	100%	100%	100%
VOC Content	320 g/L	<10 g/L	<10 g/L	<10 g/L	<10 g/L	<10 g/L
Pack Size	15L	15L	17L	12L	12L	12L

Drying & Cure Times at 20C/30C/40C

Drying & Cure Times	X-Tech EpoxySeal FLR55	X-Tech EpoxySeal FLR100	X-Tech EpoxyFloor SL	X-Tech EpoxyFloor TF	X-Tech EpoxyFloor SLU	X-Tech EpoxyFloor TU
Usable Life (min)	180/120/60	120/60/30	90/45/25	60/35/20	90/60/30	90/60/30
Touch Dry (h)	12/6/3	12/6/3	16/8/4	16/8/6	16/8/4	16/8/4
Hard Dry (h)	48/36/24	72/48/36	48/36/24	48/36/24	48/36/24	48/36/24
Minimum Recoat (h)	24/16/12	24/16/12	n/a	n/a	24/16/24	24/16/12
Maximum Recoat (h)	48/36/24	48/36/24	n/a	n/a	48/36/24	48/36/24
Fu ll Chemical Cure (d)	7/5/3	7/5/3	7/5/3	7/5/3	7/5/3	7/5/3

Chemical Resistance Guide

	X-Tech EpoxySealFLR55	X-Tech EpoxySeal FLR100	X-Tech EpoxyFloor SL	X-Tech EpoxyFloor TF	
Acetaldehyde	SR	LR	LR	LR	
Acetic Acid 10%	R	SR	SR	SR	
Acetic Acid 20%	SR	LR	LR	LR	
Acetone	SR	LR	LR	LR	
Aviation Fuel	R	SR	LR	SR	
Benzene	SR	SR	NR	SR	
Brake Fluid	R	R	R	R	
Butyl Alcohol	SR	SR	NR	SR	
Butyl Acetate	SR	SR NR		SR	
Carbonic Acid	R	R	R	R	
Crude Oil	R	R	R	R	
Dibutyl Phthalate	R	R	R	R	
Diesel Oil	R	R	R	R	
Diethylene Glycol	SR	SR	SR	SR	
Diethylene Triamine	LR	LR	NR	LR	
Ferric Chloride	R	R	R	R	
Formic Acid 10%	R	LR	LR	LR	
Gasoline	R	R	R	R	
Heptane	R	R	LR	R	
Hydrochloric Acid 20%	R	R	R	R	
Hydrochloric Acid 30%	SR	SR	SR	SR	
Kerosene	R	R R		R	
Lubricating Oil	R	R	R	R	
Naphtha	R	R	R	R	
Nitric Acid 10%	R	R	R	R	
Nitric Acid 20%	R	LR	SR	LR	
Phosphoric Acid 10%	R	R	R	R	
Phosphoric Acid 20%	R	SR SR		SR	
Phosphoric Acid 40%	SR	LR	LR LR		
Skydrol	R	R R		LR	
Sodium Chloride	R	R	R	R	
Sodium Hydroxide	R	R	R	R	
Sodium Hypochlorite	R	R	R	R	
Styrene	SR	SR	LR	LR	
Sulphuric Acid 10%	R	R	R	R	
Sulphuric Acid 20%	R	SR	R	R	
Sulphuric Acid 96%	NR	NR	NR	NR	
White Spirit	R	R	R	R	

R = Resistant to long term spillages (including ponding)

SR = Suitable for occasional splashers/short term contact (maximum 24 hours)

LR = Suitable for limited short term contact (immediate clean up)

NR = Not recommended for any form of contact