

FloroFlex System 6500 CT Elastomeric Crack Treatment Membrane

Product Description:

FloroFlexSystem 6500 CT is an elastomeric 250mm wide, engineering fabric reinforced crack treatment membrane. It has been designed as an overlayment to treat dynamic cracks in concrete substrates prior to the installation of Florock mortar and coating systems. This two-component, 100% solids system is solvent-free and has an elongation factor of 155%.

Typical Uses, Applications:

Ideally suited for the treatment of dynamic cracks in concrete substrates in commercial, industrial and institutional applications, prior to overlayment with Florock mortar and coating systems.

Product Advantages:

- 155% Elongation
- Solvent free, 100% solids
- Able to withstand heavy loads, extreme weather conditions, abrasion, chipping and high impact

Packaging:

Standard kit size

Each unit of FloroFlex 6500 CT consists of:
2 x 3.79 ltr cans of Part A Binder
1 x 3.79 ltr can of Part B Activator

Mini kit size

Each unit of FloroFlex 6500 CT consists of:
2 x 0.95 ltr cans of Part A Binder
1 x 0.95 ltr can of Part B Activator

Mix ratio 2:1 by volume

Part C – 2 rolls 250mm wide x 25m
Engineering fabric (300 gram weight)

Storage:

All containers should be stored at 5° C to 35° C and be kept tightly sealed and out of direct sunlight.

Coverage:

Each standard kit of FloroFlex system 6500 CT will treat approx 50 linear metres @ 250mm wide @ 0.75mm dft, as a crack treatment membrane.
Each mini kit will treat approx 12 linear metres @ 250mm wide @ 0.75mm dft

Cured Physical Properties		
Property	Test Method	Results
Hardness, Shore A	ASTM D2240	75
Tensile Strength	ASTM D412	3.18 N/mm ²
Impact Resistance	ASTM D2794	Excellent
Elongation	ASTM D412	155%
Abrasion Resistance, Taber Abrader CS 17-Wheel, 1000 gm load, 1000 cycles	ASTM D4060	100 mg loss
Tear Strength	ASTM D6240	300 pli

Surface Preparation:

New concrete must have a 28 day cure, and preferably a broom swept finish, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, passes the Moisture Vapour Transmission (MVT) test and the water drop test and that all surface defects have been repaired. Refer to the Florock "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

Note: Floropoxy should not be applied when the floor temperature is above 32° C or below 13° C, or when within 3° C of the dew point.

1. System 4700 Primer Application:

In a clean, dry container, blend 3 parts by volume of Resin Part A with 1 part by volume of Activator Part B. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer.

Transfer the mixture from the batch container to a transport container. Remix and pour entire mix from the transport container onto floor immediately. Retaining mixture in the bucket will shorten the pot life. Using a flat or 3mm notched squeegee, apply at desired thickness. Backroll with a 10mm nap roller.

Note: The cure time will vary with conditions. Allow a minimum of 4 hours and a maximum of 24 hours before next step.

2. FloroFlex system 6500 CT Application:

In a clean, dry container, blend 2 parts by volume of System 6500 Component A with 1 part by volume of Component B with a slow speed mechanical mixer, mix well for 3 to 5 minutes. Apply the blended System 6500 using a 3mm notched trowel or notched squeegee at an approximate rate of 6 linear metres per litre @ 300mm wide. This will produce a wet film thickness of approximately 0.50mm. Apply the 6500 CT over the crack at a width of 300mm keeping the crack central to the area being treated. The 6500 CT applied at 300mm wide allows for the product to overlap the engineering fabric by 25mm on each side. Whilst wet, place the engineering fabric into the surface of the 6500 CT and saturate the fabric with additional 6500 CT. The total system thickness will be approx. 0.75mm.

Note: It is important that the 6500 engineering fabric rests on the surface of the 6500 CT membrane prior to saturation. Do not attempt to work the fabric into the 6500 CT as this may generate air pockets and voids in the membrane matrix which may result in the system not functioning correctly.

Liquid Physical Properties	
Blended Components	M0-099 / U0-157
Sollids by Weight	100%
Solids by Volume	100%
Spread Rate @ 0.75mm DFT	6 lin/ m @250mm
Weight per litre	1.02 kg
Viscosity	2000 cps
SETA Flash	>93° C
Pot Life (10lb mass @ 77° F)	17 min.
Mixing Ratio	2:1 by volume
Dry time @ 25° C @ 50% RH	
Set-to-Touch	7-8 hours
Minimum Recoat	16 hours
Maximum Recoat	24 hours
Full Chemical Cure	7 days
Floor & Air Temp. Limitations	13° C - 32° C
Recommended Clean-Up Solvent	Xylene

Please read material safety data before using product.

DISCLAIMER:

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