

Fosroc® Supercast Synkoflex FR



constructive solutions

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CI/SfB:(1-)Zt4
January 2015

Fuel-resistant, non-swelling preformed plastic adhesive waterstop for concrete joints

Uses

Supercast Synkoflex FR waterstop provides watertight integrity for construction joints in concrete structures where swellable waterstops are not best suited i.e. bund walls, thin section walls and where concrete placement is delayed to allow steel reinforcement fixing.

Advantages

- Can be applied onto freshly poured concrete
- Can be applied onto existing concrete which is primed with Supastik E10 Adhesive
- Fuses with fresh concrete, allowing it to be applied with a minimum cover of 25mm
- Not affected by rainwater, allowing prolonged delays between application and concrete pour
- Can be easily joined to Fosroc Supercast PVC waterstops at expansion joints
- Highly adaptable to accommodate complex joint shapes
- Resistant to chemicals
- Fuel resistant
- Cost – effective installation.

Description

Supercast Synkoflex FR is a fuel-resistant, non-swelling preformed plastic adhesive waterstop of dimensions 12mm x 30mm. It can be laid onto fresh concrete, or applied to existing concrete when used in conjunction with Supastik E10 Adhesive.

Specification Clauses

Supercast Synkoflex FR

Non-swelling plastic adhesive waterstop, where shown on the drawings, shall be Fosroc Supercast Synkoflex FR. It shall be capable of being applied to freshly poured concrete and be unaffected by fuels or by infiltration of groundwater up to a hydrostatic head of 30m. It shall be applied in accordance with Fosroc's current data sheet.

Properties

Form :	Rectangular section flexible waterstop	
Nominal size :	30mm x 12mm x 5m strips	
Colour :	Blue	
Specific gravity :	1.60	
Resistance to hydrostatic head :	30m of water	
Application Temp. Range :	5°C min	50°C max
Service Temp. Range :	-20°C min	50°C max

Application Instructions

Existing concrete surfaces

Ensure all debris is removed and surfaces are clean and dry. Trowel on a 75mm wide strip of Supastik E10 Adhesive. Hand press the Supercast Synkoflex FR onto the primed area. Individual strips must be side lapped by 25mm.

Freshly poured concrete

Lay the Supercast Synkoflex FR onto the fresh concrete and overlap strips by 25mm.

Estimating

Supercast Synkoflex FR :	Box of 6 x 5m rolls 12mm x 30mm
Supastik E10 Adhesive :	10 - 13m per 2 litre pack @ 75mm wide

Limitations

Cannot be used for expansion joints.

Should not be installed at less than 50mm concrete cover.

Joining laps between strips must be side laps, not overlaps.

Storage

Supercast Synkoflex FR has a shelf life of 12 months. Store in original boxes in cool, dry conditions, away from sunlight.

Fosroc® Supercast Synkoflex FR

Health & Safety

There are no known health hazards associated with Supercast Synkoflex FR in normal use. For further information refer to appropriate Product Safety Data Sheet.

Supastik E10:

For further information refer to appropriate Product Safety Data Sheet.

Additional information

Technical data — ancillary materials

Supastik E10

Form:	Base: Off-white viscous paste Curing agent: Grey viscous paste	
Storage Life:	18 months in originally sealed containers stored below 25°C in cool dry conditions	
Flash Point:	Above 65°C	
Mixed density:	1.2 kg/litre	
Pot Life:		
5°C:	3 to 4 hours	
10°C:	1 to 2 hours	
20°C:	50 to 60 minutes	
40°C:	20 to 30 minutes	
Solids content:	100%	
Cure duration:	Over 15°C:	48 hours
Before trafficking:	5°C to 15°C:	96 hours
Before immersion:	>7°C:	7 days
Application temperature:	5°C to 50°C	
Mixed Colour:	Grey	

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Certificate number FM 610