

Solfix Vinylester SF Resin Grout

Description:

Solfix Vinylester SF is a low odour two-part chemical anchoring resin designed to anchor threaded rods and rebar in concrete.

Solfix SF has the advantage of two European Technical Approvals for use in cracked and non-cracked concrete as well as coverage for Re-bar under TR029 & TR023 (post installed re-bar).

Tested for use in potable water, and fire approval.

This sophisticated chemical anchoring product is a fast curing injection system, delivered through a mixing nozzle directly into the fixing hole. The cartridges are extruded using either a specially designed fixing tool, or a silicone tool.

Features & Benefits:

- European Technical Approval.
- Can be used in wet holes and underwater.
- Good chemical resistance & High Durability.
- High and critical load applications.
- Tested for 50 year anchor life under the ETA.
- Fire Rated.
- No Shrinkage.
- High durability.

Pack Size
410ml Cartridge

Typical Uses:

- To anchor threaded rods and rebar in concrete.
- Ideal for use with diamond drilled holes.
- Ideal for rebar usage with large diameters and embedment.

Storage & Shelf Life:

- This product should be stored between +5°C & +25°C.
- Avoid direct sunlight.
- The shelf life of this product is 24 months from the date of manufacture.

Technical Data:

Concrete, fck, cube= 25N/mm² (C20/25) 5.8 Grade Studding

Size	Characteristic Resistance (kN)		Recommended Load (kN)		Spacing (S _{cr,N}) (mm)	Drill Hole ø (mm)	Fixing Hole ø (mm)	Setting Depth (mm)
	Tension (N _{rk})	Shear (V _{rk})	Tension (N _{rec})	Shear (V _{rec})				
M8	19.00	9.00	9.10	5.10	160	10	9	80
M10	30.02	15.00	14.40	8.60	200	12	11	90
M12	43.80	21.00	20.90	12.00	240	14	13	110
M16	67.80	39.00	32.30	22.30	320	18	17	125
M20	104.60	61.00	49.90	34.90	400	24	22	170
M24	133.00	88.00	63.30	50.30	480	28	26	210
M30	182.00	142.50	86.70	81.40	525	35	33	280

Working & Hardening Times:

Base Material Temperature	-10°C	-5°C	5°C	15°C	25°C	35°C
Typical Gel Time (mins)	50	40	20	9	5	3
Min. Load Time (mins)	240	180	90	60	30	20



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