

SOUDAFIX VE380-SF

Revision: 03/06/2008

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Technical Data:

Base	Vinylester styrene free		
Consistency	Stable paste		
Curing system	Chemical reaction		
Curing time on dry surface (20°C/65% R.H.) (x2 on wet surface)	<u>Temperature</u>	<u>Start</u>	<u>Full Cure</u>
	-5°C	90 min	360 min
	0°C	45 min	180 min
	5°C	25 min	120 min
	10°C	15 min	80 min
	20°C	6 min	45 min
	30°C	4 min	25 min
	35°C	2 min	20 min
Specific Gravity	1,66 g/cm ³		
Temperature Resistance	to + 80°C – briefly to +120°C		
Dynamic elasticity modulus	1.200 N/mm ²		
Maximum bending tensile strength	37 N/mm ²		
Maximum compression strength	103 N/mm ²		

Product:

SOUDAFIX VE380-SF is a two-component anchoring resin for the pressure-free securing of anchoring rods, studs, reinforcing bars, threaded collars, profiles etc in various solid and hollow materials, such as concrete, cracked concrete, solid brick, hollow brick, porous concrete, natural stone, plasterboard walls, etc

Characeristics:

- Easy to use and to apply
- Fast cure
- Wide application area, even in wet drillholes, under water and at temp. as low as -5°C
- Styrene free (low odour)
- Cartridge reusable by simply exchanging static mixer
- Watertight and impermeable fixing
- High chemical resistance
- Fire Resistance class F120
- European Technical Approval Option 7 for application in uncracked concrete

Application area:

Securing of heavy loads in solid and hollow building materials. Pressure free anchoring even close to edges. Can be used as repair mortar.

Packaging:

Colour: dark grey after mixing

Cartridge: 380 ml for use with special two-component gun

Shelf life:





18 months in original packaging. Store at cool and dry place at temperatures between +5°C en +25°C.

Substrates:

Type: All usual porous building substrates, poor adhesion on smooth non-porous materials.

State: Clean, dry, free of dust and grease

Treatment: no particular treatment of substrate needed. In hollow materials the use of sleeves is necessary.

			
Soudal NV Werk 1 07 0756-cpd-0190		Soudal NV Werk 1 07 0756-cpd-0189	
ETA-07/0183 ETAG 001-1 Option 7 M10 – M16		ETA-07/0182 ETAG 001-1 Option 7 M10 – M16	



Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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Installation parameters and forces:

Anchor diameter	d	mm	M8	M10	M12	M16	M20
Drill diameter	d_B	mm	10	12	14	18	24
Drill depth	h	mm	80	90	110	125	170
Min. edge distance	c_{min}	mm	40	50	60	70	90
Min. axial distance	s_{min}	mm	80	90	110	125	170
Tightening torque	T	Nm	10	20	40	60	120
Pull strength (concrete)	N_{Rd}	kN	8,8	13,9	19,4	27,7	41,5
Shear strength (concrete – steel quality 5.8)	V_{Rd}	KN	7,9	12,6	18,3	34,6	54

Application

Application method: 2 component gun
Application temperature: -5°C to +35°C

Clean:

Before cure: wipe off excess of product and clean afterwards with white spirit or acetone.

After cure: it is recommended to let the product fully cure, so that it can easily be removed mechanically with hammer and chisel.

Repair: with the same material

Safety recommendations:

Apply the usual industrial hygiene precautions.
Only use in well ventilated spaces.
Consult the label for more information.

Remarks:

There is a risk of staining on porous substrates such as natural stone. On such substrates a preliminary compatibility test is recommended.

Instructions for use:

- Drill hole at recommended depth
- Clean drillhole with brush and air pump thoroughly
- Screw static mixer onto cartridge
- Dispense the first 10 cm of the product to waste (on piece of cardboard) until an even colour (dark grey) is achieved, and the product is well mixed
- Solid stone: fill the drill hole from bottom up.
Hollow brick: insert sleeve and fill it bottom up, so that the resin is pressed through the tiny holes of the sleeve
- Insert anchoring rod with twisting left-right motion
- Inspect the drill hole for adequate filling
- Observe hardening time. Don't move the anchoring rod during curing
- Leave the excess of product to cure as well. Remove it mechanically with hammer and chisel once cured
- Install component, applying the right torque

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