

SpECloc EX

HIGH PERFORMANCE 100% PURE EPOXY RESIN ANCHORING GROUT

DESCRIPTION

SpECloc EX is a high performance 100% epoxy resin anchoring grout, which has been specifically developed for simplicity in use, fast cure and exceptional performance characteristics.

TYPICAL USES

SpECloc EX is suitable in the following applications:

- Anchoring sleeves or inserts, studs, threaded rods or sockets in brickwork, concrete block or concrete
- Heavy duty anchoring of reinforcing steel, threaded anchor rods in rock or reinforced concrete
- Very high performance anchoring for civil engineering projects such as buildings, bridges, tunnels, roads, etc.
- Where solvent or styrene based products are not acceptable

ADVANTAGES

- Simplicity in use
- Fast cure
- Solvent-free - non hazardous
- No odour
- VOC free
- High performance
- Can be used underwater or in wet conditions
- Can be used at temperatures down to +5 °C
- Can be used in diamond drilled holes
- Non-flammable

RELEVANT STANDARD

NF P18-831 – NF P18-836 (for reinforcing steel)

TECHNICAL DATA

Resin	White colour
Hardener	Black colour
Mixed product	Grey thixotropic soft paste
Mixing ratio by volume	1:1
Density	1.5kg/m ²

Relevant times

Temp	Open times	Curing times
5 °C	20 mins	2-3 hr
20 °C	12 mins	1 hr
30 °C	6 mins	40 mins
35 °C	4 mins	30 mins

APPLICATION

The supplied dual cartridge is used with a special manual or pneumatic gun (**SpECloc EX gun**).

Mixing takes place within the mixing nozzle fixed at the end of the cartridge.

PACKAGING

SpECloc EX is supplied in two component parallel cartridges: 400 ml.

STORAGE & SHELF LIFE

SpECloc EX may be stored for a maximum of 9 months in a cool dry warehouse. Store away from sun at temperatures <40 °C.

HEALTH & SAFETY

SpECloc EX should not come into contact with eyes or skin or be ingested.

If contact with skin occurs, rinse with water then clean using soap and water.

If eye contact occurs, rinse with copious amounts of water and seek medical assistance.

If swallowed, DO NOT induce vomiting. Seek medical attention immediately.

FLAMMABILITY

SpECloc EX is non-flammable.

FLASHPOINT

SpECloc EX >200 °C

POST-INSTALLED REINFORCING STARTER BARS - ANCHOR LENGTH AND WORKING LOAD

Dia. of rebar (mm)	Dia. of hole (mm)	Concrete grade C25/30		Concrete grade C25/30		Concrete grade C35/45		Concrete grade C35/45	
		Anchor length (mm)	Working load (kN)	Anchor length (mm)	Working load (kN)	Anchor length (mm)	Working load (kN)	Anchor length (mm)	Working load (kN)
		Min	Max	Min	Max	Min	Max	Min	Max
8	10	80	285	4	16	80	222	5	16
10	12	100	357	7	25	100	277	9	25
12	14	120	428	10	36	120	333	12	36
14	16	140	510	13	50	140	396	17	50
16	20	160	580	17	65	160	451	23	65
20	25	200	728	28	102	200	566	36	102

CHEMICAL RESISTANCE

Products	Long Term Immersion	Temporary Immersion	Short Term Immersion
Freshwater	•		
Sea water	•		
Hot water < 45° C	•		
Xylene	•		
Petrol	•		
Soda (50%)		•	
Sulphuric acid (20%)		•	
Hydrochloric acid (10%)		•	
Phosphoric acid (5%)		•	
Toluene		•	
Nitric acid (10%)		•	
Acetone			•
Methanol			•
Acetic acid			•
Sodium hypochlorite			•

- Signifies resistance

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