

AWF SUPERQUARTZ GROUT

AWF Superquartz Grout is a versatile low viscosity, three component epoxy resin based repair compound. This system is suitable for anchoring bars, starter bars, grouting of machinery etc. This self-levelling formulation provides impact, abrasion resistance and structural strength when required.



All surfaces should be clean, dry and sound.
When repairing timber beams, ensure all holes are re plugged using a suitable filler prior to applying the Superquartz grout.

Anchoring: 1. Drill hole to correct diameter and depth ideally using a rotary percussion machine. For best results the hole must be coarse sided. If holes are produced by diamond drilling, the surface should be thoroughly roughened.

2. After drilling, all dust and debris must be removed
3. All bars should be clean and free from grease, oil and flaking rust.



2 part resin to 1 part activator (by volume)
3 parts mixed resin to 5 parts aggregate (by volume)
Add the activator to the base and mix thoroughly.
Transfer the mixed resin into the larger mixing bucket and whilst still mixing, gradually add the aggregate.
The pack contains sufficient resin and aggregate to produce a low viscosity material. Thicker material may be produced by using less of the mixed resins



16 hours
Fully cured – 7 days.



45 mins at 20°C

APPLICATION DETAILS.

TROWEL OR FLOAT

General repairs: Pour the Superquartz Grout over the area to be repaired. Although it is self levelling, a trowel may be used to spread the material evenly.

For vertical anchoring and filling applications, simply pour the mixed grout into the holes. Fixings should be inserted using a rotating action.

Anchoring Data

Temp (0°C)	Gel Time (Minutes)	Min Time before loading (Hours)
15	150	24
20	110	24
30	60	20

Anchor size (mm)	Hole diam (mm)	Hole depth (mm)	TensionKN Ultimate pull out	Fixings per 5kg unit holes filled 2/3 full
8	10	80	25.3	610
10	12	90	33.00	377
12	14	110	35.6	227
16	18	125	81.3	120
20	22	170	88.4	60
24	26	210	119.0	34
30	32	280	210.4	17

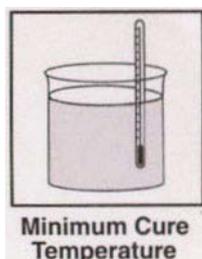
Tension figures quoted are tested in approx 30N/mm² concrete

The ultimate pull out strength (tension) is varied by:

1. The strength of both the substrate and the bar stud
2. The length of the resin bond to bar
3. Hole preparation
4. Anchor separation



N/A



5°C



18 months from date of manufacture



As long as good practice is observed,
Superquartz Grout can be safely used.

General Technical Data

Mixed density: 1.86g/cm^3
Compressive strength
(ASTM D695: 87.37N/mm^2
Flexural strength
(ASTM D790: 40.98M/mm^2
Flexural modulus: 6596N/mm^2
Tensile strength
(ASTM D638: 21.13N/mm^2
Elastic modulus 17132N/mm^2

If you have any questions or queries regarding this Data Sheet then please contact us before you use this product.