

Geocel® **ACOUSTIC FR**

ACOUSTIC, FIRE RATED SEALANT

TESTED TO BSEN 140 PART 3 & BSEN 20140

Geocel® Acoustic FR is a one-part flexible acrylic waterbased acoustic, fire rated sealant tested to BSEN 140 Part 3, BSEN 20140 and BS 476: Part 20: 1987. It is specifically formulated to form an acoustic and fire rated intumescent barrier by sealing gaps between plasterboard walls, floors and ceilings, dry linings, and kraft lined insulation boards. It adheres to all construction substrates and can be painted within one hour, dependant on temperature and humidity. **Geocel® Acoustic FR** is solvent free, non flammable, and easy to use and clean up.

- Forms an acoustic and fire rated intumescent barrier.
- Up to 4 hour fire rating can be achieved

SPECIFICATIONS

BSEN 140 Part 3,

BSEN 20140

BS 476: Part 20: 1987.

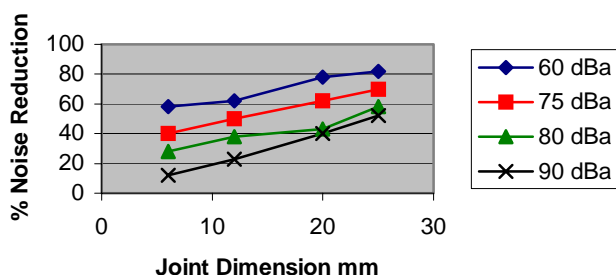
Manufactured under ISO 9001



TECHNICAL DATA

Storage Life	Approx 18 months when stored in a cool, dry, frost free place (above 4°C)
Slump	nil
Shrinkage	approx 12.5%
Staining	none
Tack Free Time	30 mins
Water Resistance	good when fully cured
UV Resistance	excellent
Joint Movement Capability	12.5%
Colour	White
Application Temperature	+5°C to +40°C
Service Temperature	-35°C to +90°C
Acoustic Specifications	tested to BSEN 140 part 3 and BSEN 20140

Noise Reduction Using Acoustic FR at Various Noise Levels



Percentage Reduction Noise Level

Joint Width mm	60 dBa	75 dBa	80 dBa	90 dBa
6	58	40	28	12
12	62	50	38	23
20	78	62	45	40
25	82	70	58	52

Fire Test Specifications	BS 476: Part 20: 1987 in joint configuration. Warrington Fire Research Test Report No. 101268A is available to illustrate that Geocel Acoustic FR will achieve in excess of 4 hours fire rating in specified joint configurations.
---------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Fire Rating Table

Width (mm) Depth (mm)	Backer	Seal Type	Rating
6 x 6	P/E	Single	4 hrs
10 x 10	P/E	Single	4 hrs
15 x 15	P/E	Single	4 hrs
20 x 10	M/W	Single	4 hrs
8 x 6	P/E	Double	4 hrs
25 x 10	P/E	Double	4 hrs
25 x 15	P/E	Double	4 hrs

P/E = Closed cell polyethylene backer rod
(Nominal density 35kg/m³)

M/W = Mineral wool fibre
(Nominal density 100kg/m³)

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

APPLICATION

Ensure all surfaces are clean, dry and sound. In order to obtain a smooth professional finish masking tape may be used to ensure neat sealant lines. Apply a continuous sealant bead into the joint.

FINISHING & CLEAN UP

Tool within 5 minutes of application with a suitable spatula. Remove masking tape immediately after tooling.

LIMITATIONS

Geocel® Acoustic FR is only water resistant once fully cured; therefore do not apply in damp conditions.

PACKAGING

Geocel® Acoustic FR is supplied in 380ml cartridges packed in boxes of 12.

HEALTH AND SAFETY

Health and Safety data sheets available on request.

TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

IMPORTANT NOTE The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Geocel's sole warranty is that the product will meet the Geocel sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Geocel specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability.

Geocel disclaims liability for any incidental or consequential damage.

Geocel

Geocel Limited

Western Wood Way, Langage Science Park, Plympton, Plymouth, Devon, PL7 5BG

Tel: 01752 334350 Fax: 01752 202065 Email: info@geocel.co.uk

www.geocel.co.uk