

# Technical Data Sheet

Date of compilation: 04/08/2021

## ARC FIRE CEMENT - CARTRIDGE

### DESCRIPTION

Arc Fire Cement is a ready mixed, air drying, silicate based material for use as a joint filler and adhesive where high temperature resistance, up to 1250°C, is required.

The product dries to a hard, cement-like material with good adhesion to many surfaces.

### USES

- For sealing around pipework and flues in fireplaces, boilers, solid fuel burners and central heating systems.
- Repairing fire backs.

### INSTRUCTIONS

All surfaces must be clean and dry and free from dirt, dust, grease and other contamination. Apply the adhesive from the cartridge, forcing it into the area to be sealed, then immediately tool it down to ensure good adhesion.

When bonding materials, apply a bead of adhesive to one surface and immediately combine the two parts, applying pressure to ensure good surface contact. Allow to air dry for 24 hours, after which gentle heat can be gradually applied. At temperatures in excess of 800°C the material will start to 'glassify'. Arc Fire Cement will not bond plastics materials, particularly where flexing may occur. Do not use the cement on joints exposed to wet conditions.



### TECHNICAL CHARACTERISTICS

CHARACTERISTIC	VALUE
Density	1.80-1.90g/cm <sup>3</sup>
Flash Point	Does not support combustion
Application Temperature Range	5°C to 40°C
Service Temperature Range	-20°C to 1250°C
Slump Resistance	Excellent. Soft highly thixotropic paste.
Initial Drying	Skins within 5 minutes (20°C and 65% RH)
Through drying	Approx. 5mm/day (20°C and 65% RH)
Service Life	Approx. 10 years when used as recommended

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### STORAGE

Shelf life is 12 months from manufacture date when stored in original unopened containers between +5° C and +30° C.

### PRESENTATION

Colour: Black.  
Cartridge: 300ml. Box: 12 pcs.

### HEALTH & SAFETY

See Health & Safety data sheet before using the product. Should any of the adhesive come into contact with eyes, then flush eyes liberally with clean water and seek medical advice. If accidentally ingested, seek medical attention and show the container or label.  
**KEEP AWAY FROM CHILDREN AND ANIMALS.**

### NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail [technical@arcbuildingproducts.ie](mailto:technical@arcbuildingproducts.ie). Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.