

# Technical Data Sheet

Date of compilation: 16/12/2021

## ARC GUN GRADE EXPANDING FOAM

### DESCRIPTION

Arc Gun Grade Foam is a one component, self-expanding, ready to use polyurethane foam, which contains propellants which are not harmful to the ozone layer and where the canister is provided with a thread so it can be used on a gun.



### USES

- Installation of Window and door frames
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Mounting and sealing of window and door frames
- Connection of insulation materials and roof constructions
- Application of a soundproofing layer on motors
- Improving thermal insulation in cooling systems

### CHARACTERISTICS

- Excellent adhesion on most substrates (except Teflon, PE and PP)
- High Thermal and acoustic insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post expansion)
- Mould-proof & Waterproof
- Overpaintable

### APPLICATION

Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter. Surface should be free from grease and dust. Moisten surfaces with a water sprayer prior to application. For non-conventional substrates a preliminary adhesion test is recommended. Fill holes and cavities approx. half full, as the foam will expand. Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using Arc Foam Cleaner or acetone. Cured foam can only be removed mechanically.

Can temperature: +5°C - 30°C

Ambient temperature: +5°C - 30°C.

Surface temperature: +5°C - 35°C

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### STORAGE & PACKAGING

Should be stored upright in a cool dry place. Shelf life is 15 months in unopened packaging. It is supplied in 750ml Aerosol Cans. 12 units/box.

### TECHNICAL DATA

| Property                         | Value                    |
|----------------------------------|--------------------------|
| Base                             | Polyurethane             |
| Colour                           | Champagne                |
| Consistency                      | Stable foam, thixotropic |
| Curing system                    | Moisture-cure            |
| Skin formation (ASTM C1620)      | 6 ± 2 mins               |
| Drying time (ASTM C1620)         | 20 - 45 min              |
| Curing time                      | 24 hrs                   |
| Yield (ASTM C1536)               | 750ml yields 30-45L      |
| Cellular Structure               | Ca. 70 % closed cells    |
| Specific gravity (ASTM D1622)    | 19 ±3 kg/m <sup>3</sup>  |
| Thermal Conductivity (DIN 52612) | 0.036 W/mK at 20 °C      |
| Fire rating (DIN 4102-1)         | B3                       |
| Compressive strength (DIN 53421) | 30kPa                    |
| Water absorption (DIN 53428)     | 1 % volume max           |
| Temperature resistance           | -40°C to +80°C (cured)   |
| Application temperature          | +5°C to +30°C            |

### HEALTH & SAFETY

- Apply the usual industrial hygiene
  - Wear gloves & safety goggles
  - Removed cured foam by mechanical means only - never burn away
- For more information and precautions for use refer to the safety data sheet.

### REMARKS

Cured foam must be protected from UV-radiation by painting or applying a top layer of sealant (silicone, MS Polymer, PU or Acrylic)

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### 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.