

Technical Data Sheet

Date of compilation: 16/12/2021

ARC HAND HELD EXPANDING FOAM

DESCRIPTION

Arc Hand Held Foam is a one-component, moisture curing, self-expanding, ready to use Polyurethane foam with CFC-free propellants, which are completely harmless to the ozone layer.



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. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. Remove pressure from the applicator to stop. 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 Foam Cleaner or acetone. Cured foam can only be removed mechanically.

Working temperature 5°C to 35°C. (20-25°C recommended).

STORAGE & PACKAGING

Should be stored upright in a cool dry place at temperatures between 5°C and 25°C. Shelf life is 15 months in unopened packaging. Supplied in 750ml Aerosol Cans, 12 units/box.

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TECHNICAL DATA

Property	Value
Base	Polyurethane
Colour	Champagne
Consistency	Stable foam, thixotropic
Curing system	Moisture-cure
Skin formation (ASTM C1620)	7 ± 3 min
Drying time (ASTM C1620)	30-45 min. at 20°C
Curing time	24 hrs
Yield (ASTM C1536)	750ml yields 30-45L
Cellular structure	Ca 70% closed cells
Specific gravity (ASTM D1622)	22 ± 3 kg/m ³
Thermal Conductivity	0.036 W/mK at 20°C
Fire Class (DIN 4102-1)	B3
Compressive Strength (DIN 53421)	30kPa
Water Absorption (DIN 53428)	1% volume max
Temperature resistance	-40°C to +80°C when cured
Application Temperature	-2°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)

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. 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.