

# Technical Data Sheet

Date of compilation: 09/08/2021

## ARC ROOFING FELT ADHESIVE

### DESCRIPTION

A solvent carried high viscosity bituminous adhesive with strong initial “grab” properties.

### USES

A cold applied roofing adhesive formulated for convenience and safety, based upon the same oxidised bitumen as found in roofing felts, thereby ensuring affinity and a strong, final bond. It is used for:

- Bonding roofing felt to metal, timber, concrete.
- Sealing roofing felt laps.
- Bonding chippings to flat roofs.



### APPLICATION

**Note:** Should not be used over tar based products. Do not heat before using.

**Method:** By stiff brush, mop or squeegee, choice being dependant upon the size and nature of the area to be treated.

#### Preparation:

Ensure that the surface to be repaired is dry and clean, i.e. free from all loose debris, rust, dirt and grease. All traces of algae and fungus growth should be removed using a stiff bristled brush. Where algae and fungi have been present, remove all traces completely and treat the surface with a suitable fungicide in order to kill any remaining spores, thereby discouraging the return of the growths. Wash down the surface with water.

In general, the felt laying techniques employed should be those detailed in B.S. Code of Practice 144: Part 3: 1970, clause 4.6. Certain kinds of felt (particularly organic fibre reinforced felts: type IF BS.747) should be prepared for laying by first cutting into convenient lengths (5 metres) and leaving these sections laid flat and weighted down for 24 hours.

The Felt Adhesive should be brush applied to the surface and left “open” for 15 to 30 minutes (depending upon drying conditions) in order to develop its full tackiness. The felt should be placed into the wet adhesive film carefully, rubbing or rolling each section down to ensure maximum contact with the adhesive and ensuring that all air has been excluded. Whenever possible, the felt should be unrolled into the Felt Adhesive and rolled home with a light roller (approx. 25 kg 55-lbs).

#### Lap Cement:

Laps at the edges should be at least 75mm (3”) wide, and laps at roll ends should be at least 150mm(6”). Laps and final edges should be liberally treated on their undersides with Felt Adhesive and well compacted.

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### Timber Roofs:

On timber roof structures, the first layer of felt must be nailed down to comply with B.S.CP.144: Part 3: 1970. The second and third layers may be bonded with Felt Adhesive.

### Concrete and Lightweight Concrete Screeds:

As they are often extremely porous, these surfaces will require a priming coat to ensure successful adhesion of the felt adhesive. As a primer use Felt Adhesive diluted with 10% by volume white spirit and apply this at 3 to 4 square metres per litre (approx. 144 - 200 square feet per imp. gallon). It is essential that the primer has completely dried before the first layer of felt is applied.

Twenty-four hours after laying, check all bondings to ensure that full adhesion has been obtained. Particularly check all laps. If in doubt, press home or roll any felt that appears to be lacking full adhesion.

## PHYSICAL PROPERTIES

| Property                   | Value   |
|----------------------------|---|
| Colour                     | Black   |
| Service Temperature Limits | -30 to 60°C (-22 to 140°F)  |
| Flash point                | 38°C (100° F) min. (closed cup)   |
| Fire Rating                | External F.A.A. rating for ignition penetration and spread of flame when covered by felt and solar reflective chippings |
| Coverage Rates             | 2m <sup>2</sup> /L  |

## STORAGE & PACKAGING

Should be stored indoors under conditions applying to products with a flashpoint of 38°C. Shelf life is minimum 12 months in tightly sealed, undamaged containers. It is supplied in 1lt, 2.5lt, 5lt and 25lt containers.

## CLEANING TOOLS

Tools may be cleaned with paraffin or white spirit. Spillages should be wiped off surfaces before the Felt Adhesive has set.

## HEALTH & SAFETY

Felt Adhesive is solvent based and can give off an inflammable vapour. The solvent may have a narcotic effect if inhaled or absorbed through the skin. The following precautions are therefore advised when using it:

1. Wear protective clothing.
2. Avoid smoking, hot lights, naked flames or creating sparks.

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3. Never take the products internally.
  4. Avoid contact with the skin, eyes and non-protective clothing. (Any product which has dried on the skin may be removed with a proprietary hand cleaner).
  5. When working with the product, until it is dried, ensure that the area is well ventilated thereby avoiding build up of solvent vapour.
- For more information and precautions for use refer to the safety data sheet.

### EMERGENCY ACTION

1. In event of narcosis due to inhalation of concentrated vapour, remove person to fresh air. Call for medical attention.
2. Contact with eyes - thoroughly irrigate eyes with clean, cold water - call for medical attention.
3. In the event of fire - extinguish with either a carbon dioxide, dry chemical or foam fire extinguisher, sand or earth.

### 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.