

ROOFING FELT ADHESIVE

Issue 3 - October 2005 - 01/001

Description:

Roofing Felt Adhesive is a solvent-borne, black bituminous adhesive.

Uses:

Roofing Felt Adhesive is a cold applied adhesive for bonding bituminous roofing felts to asphalt, felt, metal and concrete. It can also be used for bonding mineral chippings to bituminous surfaces. It may not be used over tar based products.

Coverage Rates:

As roofing felt/lap adhesive:	1 - 1.5m ² per litre
As gritting adhesive:	3mm chips 1.6m ² per litre
	10mm chips 1.3m ² per litre

Container Sizes:

1, 2.5, 5 and 25 litres

Storage Conditions:

Containers must be kept sealed and stored under cover away from sources of heat and ignition.

Storage Life:

12 months under good storage conditions in original unopened containers.

Preparation:

Ensure that the surface is clean, dry and free from loose material. Dusty and porous surfaces should be primed with Bituminous Primer (0.1 - 0.2 litre per m²). Where possible, felt to be laid should be cut to size and positioned flat for 24 hours to assist application.

To avoid thickening in cold weather, store Roofing Felt Adhesive overnight in a warm room prior to use.

Application Instructions:

Apply Roofing Felt Adhesive to the roof area with a mop or stiff brush. Do not exceed guideline coverage rates. Allow the adhesive to become tacky to touch (typically 15 minutes to 1 hour) then place the roofing felt into position. The felt should be lapped: side laps minimum 75mm and end laps minimum 150mm and the laps sealed with Roofing Felt Adhesive. When laying the felt it is important to ensure that no air is trapped underneath, particularly when laid over a previous layer of felt or other waterproof coating. Roll with a 15kg roller or thoroughly brush with a stiff broom until good overall contact is established between felt and adhesive, especially at the laps.

NB: If felt is applied too soon, the drying time of the adhesive will be extended and the adhesive will be extended and the adhesive may ooze out. When felting upstands, adhesive should be applied to both adhesive and felt.

TIMBER ROOFS

Lay the first layer of felt laid down in accordance with BS Code of Practice 144: Part 3 and bond subsequent layers with Roofing Felt Adhesive.

LAP ADHESIVE

Roofing Felt Adhesive can be used to bond laps on single layer applications. Ensure area to form lap is completely coated with adhesive and press firmly to expel air when tacky. The lap should then be nailed with galvanised clout head nails to secure bond.

GRITTING

Roofing Felt Adhesive can be used as a gritting solution. Be sure to overgrit and tread well in or preferable roll.

**IN COLD WEATHER THIS PRODUCT WILL LOOSE ITS VISCOSITY AT 5°C.
IT IS RECOMMENDED NOT TO USE THIS PRODUCT IN VERY COLD CONDITIONS.**

Drying Time:

Drying will vary depending on weather conditions and time allowed for adhesive to develop at tack. 24 to 48 hours is typical. However, heavy applications will result in extended drying times.

Cleaning Tools:

Clean with white spirit.

Spillage:

Spit material should be mopped up immediately with an inert absorbent material, such as sand and disposed of in accordance with regulations.

Disposal of Containers:

Do not leave containers on site where residue could be a hazard to children, animals or the environment. Replace lids securely and remove any containers to a central disposal point.

Health & Safety:

Please refer to health and safety data sheet on Roofing Felt Adhesive

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below:

All products should be sold in accordance with the manufacturer's instructions. No responsibility can be taken by the manufacturer, where conditions of use are beyond our control. Cromar Building Products Limited products' are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. 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.

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MATERIAL SAFETY DATA SHEET

Date of issue: October 2001 Version 3

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1. Identification of the product

Product: Roofing Felt Adhesive

2. Composition/information on ingredients

A solvent based bituminous roofing adhesive

<u>CAS No</u>	<u>Chemical name</u>	<u>Weight %</u>	<u>Symbol & R-phrases</u>
64475-85-0	white spirit	10-40	F R10
64742-93-4	bitumen		R40
1330-20-7	mixed Xylene	0-20	Xn, F R10, 20/1, 38

3. Hazard identification

Contains solvent which causes defatting of the skin and, in extreme cases, dermatitis.
Possible risk of irreversible effects, flammable

4. First aid measures

Inhalation: Remove to fresh air. If discomfort persists seek medical advice.
Skin contact: Remove contamination with proprietary skin cleaner, followed by washing with soap and water. This procedure should also be followed prior to eating, drinking, smoking and toilet functions.
Eye contact: Irrigate immediately with clean water for 15 minutes and obtain medical attention.
Ingestion: If swallowed, seek medical advice immediately. Do not induce vomiting.

5. Fire fighting measures

Suitable extinguishing measures: dry powder, CO₂, foam, sand, earth
Unsuitable extinguishing measures: never water jet
Special exposure hazards in fires: none known
Required special protection equipment for fire fighters: wear suitable protective clothing

6. Accidental release measures

Precautions: tem flow of spilled material. Extinguish all naked flames and cigarettes. Material should be mopped up immediately with an inert absorbent material such as sand, earth etc. Prevent spills from entering sewers and drains. Dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations.

7. Handling and storage

Handling: Ensure adequate ventilation.
Storage: Should be stored under cover out of direct sunlight and away from sources of heat and ignition.

8. Exposure controls

UK Occupational exposure standards EH40
White spirit 100ppm 575mg/m³ (8HR TWA)

Respiratory protection: Should not be necessary with adequate ventilation. In poorly ventilated areas, a cartridge mask approved for organic vapours is recommended.
Hand protection: Wear suitable impervious gloves.
Skin protection: Appropriate protective clothing
Eye protection: Appropriate chemical resistant goggles

9. Physical and chemical properties

Appearance: lack liquid
Odour: petroleum solvent
pH: not applicable
Boiling point/boiling point range: not determined
Melting point/Melting point range: not applicable
Flash point (°C) closed cup: 5° C
Flammability: flammable
Autoflammability: approx. 230° C
Explosive properties: EL 8 % Vol. LEL 0.6% Vol.
Oxidising properties: not applicable
Vapour pressure: 0.44kPa for white spirit, 0.93 kPa for mixed xylenes
Relative density: approx. 0.94
Solubility (water and fat) insoluble in water

10. Stability and reactivity

Stable under normal conditions. Avoid excessive heat.
Hazardous decomposition products: CO₂, CO, H₂S, oxides of nitrogen and sulphur.

11. Toxicological information

Short-term skin exposure may lead to dermatitis. Long term skin exposure may cause irreversible effects.

12. Ecological information

The preparation has not been tested but the slow rates of biodegradation of bitumen can cause interference with the normal functioning of ecological cycles. Bitumen should therefore be contained and spills avoided.

13. Disposal considerations

Disposal of material should be incineration in accordance with local regulations. Packaging should be similarly disposed of.

14. Transport information

IMDG, Page 3382 liquid tars class 3.3 packing group III

15. Regulatory information

The formulation has not been tested. The components have the following phrases:

R10	Flammable
R20/1	Harmful by inhalation and skin contact
R38	Irritating to skin
R40	Possible risk of irreversible effects
S16	Keep away from sources of ignition – no smoking
S24	Avoid contact with skin
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

EEC symbol Xn Harmful, contains Bitumen solvent blend

16. Other information

Customers are urged to ensure that the product is entirely suitable for their own purpose. If requested, Cromar Building Products Limited can assist in technical discussions. If this product is redistributed or reformulated for sale, details of its hazards and the recommended methods for safe handling must be passed to customers.

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. **Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.**

This information is given in good faith, being based on the latest knowledge available to Cromar Building Products Limited. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designated to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Cromar Building Products Limited for further advice before the proposed application is undertaken.

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