

COLD GRITTING ADHESIVE

Issue 3 - October 2005 - 01/004

Description:

A cold applied bituminous adhesive for bonding chippings to flat or low pitch roofs.

Uses:

Cold Gritting Adhesive is a ready to use bituminous adhesive designed to bond a wide variety of aggregates to built up felt and mastic asphalt roof surfaces. It then provides a final solar reflective, weather-proof and damage resistant surface.

Coverage Rates:

3mm - 9mm chippings	1.8 litre/m ²
12mm chippings	1.3 litre/ m ²

Container Sizes:

5 & 25

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 the surface is structurally sound, clean and dry. If necessary remove any surface contaminants such as grease, moss, lichen or any other organic growth with Moss + Mould Remover. Any blisters in existing felt should be split, rebonded and sealed. Any cracks or splits should be made good using Trowel Mastic. Preferably the roof should be dry but Cold Gritting Adhesive can be applied to damp but not wet surfaces.

Application Instructions:

Spread evenly direct from the container in convenient areas of 20 square metre at a time. Do not allow the film to form a puddle or become too thin. The chippings should be applied immediately into the wet film. Care should be taken not to over-chip and to ensure that the chippings cover the film shoulder to shoulder. Proceed to the next area. Leave the complete surface dressing for at least 72 hours and then lightly brush off any excess chippings. Do not leave any black film exposed.

Drying Time:

Drying times will vary depending on weather conditions and film thickness. Heavy applications will result in extended drying times.

Cleaning Tools:

Clean with white spirit.

Spillage:

Spilt 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 Cold Gritting 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.

COLD GRITTING ADHESIVE

MATERIAL SAFETY DATA SHEET

Date of issue: September 2001 Version 2

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1. Identification of the product

Product: Cold Gritting Adhesive

2. Composition/information on ingredients

<u>CAS No</u>	<u>Chemical name</u>	<u>weight %</u>	<u>Symbol & R-phrases</u>
64742-82-1	white spirit	<30	F R10
64741-56-6	bitumen	>70	R40
	tall oil alkyl amido amine	<1	Xi R38, 41

3. Hazard identification

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

4. First aid measures

Inhalation: Remove to fresh air. If discomfort persists seek medical advice.
Skin contact: Remove contamination with proprietary skin cleaner, follow 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 Extinguish Media: Dry powder, CO₂, foam, sand, earth
Unsuitable Extinguishing Media: Never use water jet
Special Exposure Hazard in Fires: None known
Required Special Protective
Equipment for Fire Fighters: Wear suitable protective clothing

6. Accidental release measures

Precautions: Stem 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 in a tightly sealed container.

8. Exposure controls

UK Occupational exposure standards EH40 White spirit: 100ppm (575mg/m³) 8HR TWR
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: Use appropriate protective clothing
Eye protection: Wear appropriate chemical resistant goggles

9. Physical and chemical properties

Appearance: Black liquid
Odour: petroleum solvent
Autoflammability: approx. 230° C
pH: not applicable
Explosive properties: UEL 8% vol LEL 0.9% vol.
Oxidising properties: not applicable
Boiling point/boiling range: not determined
Relative density: approx. 0.9
flash point (°C) closed cup: 40° C

10. Stability and reactivity

Stable under normal conditions. Avoid excessive heat.
Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrogen sulphide 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 bio degradation 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 by incineration in accordance with local regulations. Packing should be similarly disposed of.

14. Transport information

IMDG, page 3382 liquid tars class 3.3 packing group III

15. Regulatory information

R 10 Flammable
R38 Irritating to skin
R40 Possible risk of irreversible effects
R41 Risk of serious damage to eyes

S16 Keep away from source 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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