

SAFETY DATA SHEET

VILLAS OXIDIZED BITUMEN SHEETS

Machen wir's dicht!



Safety Data Sheet

Acc. to 91/55/EC

1 PRODUCT IDENTIFICATION

- **Product details:**
- **Trade Name:** VILLAS OXIDIZED BITUMEN SHEETS
- **Material / preparation use:** Building products, for roof water proofing
- **Manufacturer/Supplier:**
Villas Austria GmbH
Industriestrasse 18
A-9586 Fürnitz
Tel: +43/ (0) 4257/2241-2243 Fax: +43/ (0) 4257/2241-2282
- **Information Department:** Laboratory, e-mail: a.wolte@villas.at
- **Emergency Number:** +43/ (0) 4257/2241/2243 (Monday - Friday: 7:30am – 4:30pm)

2 HAZARDS IDENTIFICATION

- **Hazard designation:**
-
- **Information pertaining to particular dangers for man and environment:**
-
- **Classification system:**
Classification is in line with current EC regulations. It is expanded, however, by information from technical literature and by information from raw material suppliers.

3 COMPOSITION / INFORMATION ON COMPONENTS

- **Chemical characterization**
- **Description:**
Bitumen sheets in rolls, based on oxidized bitumen, inert mineral filler and reinforcement / surfacing as tabulated in the annex.
- **Dangerous component:**
not applicable
- **Additional information:**
not applicable

4 FIRST AID MEASURES

- **General Information:**
-
- **After inhalation:**
The product is normally processed at increased temperatures. The inhalation of vapours should be avoided. Fresh air.
- **After skin contact:**
Handling hot bitumen can cause burns. After the skin comes into contact with hot bitumen, do not attempt to remove the bitumen from the skin. Immediately hold affected part of the body under cold running water for at least 10 minutes. For circular adhering bitumen that may cut off circulation, make incision. Small bitumen splashes may either be removed from the skin with olive oil or paraffin oil. Doctor must be contacted.
- **After eye contact:**
In case of hot bitumen entering eyes, cool eyes immediately under cold flowing water for about 5 minutes. Call doctor immediately. In case of cold bitumen coming into contact with eyes, rinse immediately with water for at least 10 to 15 minutes. In case of continued irritation, an eye specialist must be consulted.
- **After swallowing:**
Theoretically no hazard; extremely low toxicity

Notes to physician:

Treatment: Do not attempt to remove bitumen which has adhered to the skin. Once cooled, the product is no longer hazardous, but provides a sterile cover for the burned area. During the healing process, the bitumen normally comes away after a couple of days. If, due to the position or nature of the injury, the adhering bitumen must be removed, use warm paraffin oil - paraffinum liquidum. Alternatively a mixture of paraffin oil and kerosene may be used. Use, however, with care as kerosene can cause skin irritation. After using solvents, wash with water and soap or wash gels which are kind to the skin. Next apply a suitable grease or skin cleaning cream. Use only medically approved solvents to remove bitumen from burned areas, as other agents may damage the skin.

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5 FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:**
Medium expansion foam, extinguishing powder, CO₂, water spray
- **For safety reasons unsuitable extinguishing agents:**
Full Water jet: as the product is hot, the steam generated by contact with water could very easily expel the liquid product in an explosion-like fashion.
- **Protective equipment:**
Heavy-duty heat protection equipment

6 ACCIDENTAL RELEASE MEASURES:

- **Additional advice:**
Prevent from entering sewage system, water bodies and ground. Leave to cool, remove and arrange for disposal.

7 HANDLING AND STORAGE:

- **Advice on safe handling:**
Ensure good ventilation /extraction at work place (when applied hot). It is prohibited to eat and drink in the work area and to store at food storage. Prevent overheating (when hot applied).
- **Storage**
Rolls have to be stored vertically and protected against moisture and extreme heat. Store at least 12 hours free from frost before application in cold season,.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Additional information about design of technical systems:**
The usual safety measures are to be take when handling hot bitumen; see clause 7.
- **Components witch critical values that require monitoring at the workplace:**
The product does not contain components with limiting values which have to be monitored at the workplace.
- **Personal protective equipment:**
- **Respiratory protection:**

- **Hand protection:**
Protective gloves
- **Eye protection:**
Protective glasses
- **Body and skin protection:**
Working clothes

9 PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** solid; in rolls
- **Colour:** black
- **Smell:** none
- **Change in condition**
- **Melting point / melting range:** about 100°C (EN 1427)
- **Boiling point / boiling range:** not applicable
- **Flash point:** > 250 °C
- **Self-inflammability:** not applicable
- **Self ignition:** not applicable
- **Danger of explosion:** Vapour / air mixtures may blow up by a spark
- **Vapour pressure at 20°C:** not applicable
- **Density at 20°C:** -
- **Solubility / miscibility with water:** insoluble
- **Viscosity:**
 - **Kinematic:**

Safety Data Sheet

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10 STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:**
Do not overheat when melting.
- **Dangerous reactions:** None
- **Dangerous products of decomposition:** None if used properly

11 TOXICOLOGICAL INFORMATION

According to our knowledge no danger for health may be deriving from the proper application and use.

12 ECOLOGICAL INFORMATION

- **General Information:**
Not hazardous for water. Water hazard class 0 (self-assessment)

13 DISPOSAL CONSIDERATIONS *)

- **Product:**
Recommendation:
Depose according to official regulations.
- **Waste disposal key number:**
54912 (Bitumen, Asphalt) acc. to ÖNORM S 2100
Disposal Information:
Chemical-physical utilization: -
Biological utilization: -
Thermic utilization: suitable
Disposal: -
- **European waste catalogue:** 170302 „bituminous mixtures free of coal tar"
- **Uncleaned packagings:**
Recommendation:

14 TRANSPORT INFORMATION

- **ADR / RID / AND (if hot / liquid):**
- **Description of goods:** not applicable
- **Class:** -
- **Packaging group:** -
- **Code:** -
- **Risk No.:** -
- **Substance No.:** -
- **ADR / RID / AND (cold / solid):** None

15 REGULATORY INFORMATION

- **EG Regulations:**
None
- **Designation according to EC Regulations:**
Due to the classification of this product as per the chemical regulations it presently needs not be labeled specifically.

16 OTHER INFORMATION

The information is based on our contemporary knowledge of the product and its properties. This material safety data sheet is not intended to give any guarantee or warranty of product properties and is not creating any legal liability. Any regulation or law, not covered by this data sheet, is to be observed under the responsibility of the recipient and user of our product.

- **Department issuing safety data sheet:**
Laboratory
- **Contact person:**
Laboratory Tel.: +43/ (0) 4257/2241-2243
*) Chapter changed

Safety Data Sheet

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- Annex: *)

Art. No.	Product	Surface		Reinforcement
		top side	bottom side	
101003	Villox Dachpappe RP 35	sand	sand	cardboard
100106	Villox RP 350/21	sand	sand	cardboard
100114	Villox Nacktpappe N 350			cardboard
100309	Villox B-611 (AL 17)	sand	sand	aluminium foil
100468	Villox GV-35	sand	foil	glass fiber fleece
101353	Villox GVF-45	foil	foil	glass fiber fleece
108843	Villas GV-35 E	sand	foil	glass fiber fleece
129689	Villox GV-45 E	sand	foil	glass fiber fleece
101468	A-1 Bitumenpapier			paper
102014	Villox ALGV-45	sand	foil	aluminium foil / glass fiber fleece
180217	Villox V 3	foil	foil	glass fiber fleece
180218	Villox V 4	foil	foil	glass fiber fleece
100510	Villox V-30	sand	foil	glass fiber fleece
100511	Villox V-40	sand	foil	glass fiber fleece
102243 / 102242 / 102262	Villox G 200 S4 blank 30 m / 40 m / 60 m	sand	foil	glass scrim
102244 / 102263	Villox G 200 S5 blank 40 m/ 60 m	sand	foil	glass scrim
140976	Villox Dachpappe	sand	sand	cardboard
101868	Villox AL + G 200 S4	sand	foil	aluminium foil / glass scrim