

SAFETY DATA SHEET

VILLAS ELASTOMERIC BITUMEN SHEETS

Machen wir's dicht!



Safety Data Sheet

Acc. to 91/55/EC

1 PRODUCT IDENTIFICATION

- **Product details:**
- **Trade Name:** VILLAS ELASTOMERIC BITUMEN SHEETS acc. to annex on page 4 + 5
- **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 elastomeric bitumen (polymer SBS), inert mineral filler and reinforcement / surfacing as listed 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 hot applied). Eating, drinking and the storage of food in the work area is prohibited. Prevent overheating (when hot applied).
- **Storage:**
The rolls have to be stored vertically and protected against moisture and extreme heat. Before application in cold season, store at least 12 hours free from frost.

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 with 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 110 – 130°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:**

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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:** 17 03 02 Mixtures of bitumen, 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 marked specifically.

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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.

- **Relevant R-Phrases:**

- **Department issuing safety data sheet:**

Laboratory

* ... Chapter changed

- **Contact person:**

Laboratory

Tel.: +43/ (0) 4257/2241-2243

- **Annex:**

Art. No.	Product	surface		reinforcement
		top side	bottom side	
100830	Elastovill E-KV-3	sand	foil	polyester fiber
100832, 100706	Elastovill E-KV-4 S	slate	foil	polyester fiber
100833, 100701, 100740, 102011	Elastovill E-KV-5 S	slate	foil	polyester fiber
101044	Elastovill E-GG-K	sand	foil	woven glass
101712	Elastovill E-KV-4 EC	sand	foil	polyester fiber
100730	Elastovill E-GG-4	sand	sand	woven glass
100705	Elastovill E-KV-4	sand	foil	polyester fiber
100707, 101502	Elastovill E-KV-5	sand	foil	polyester fiber
102015	Villas AL GV-45 E	sand	foil	Alufoil + glassfiber
100922	Villaverde E-KV	sand	foil	polyester fiber
112882	Elastovill EP-4 s wf	sand	sand	polyester fiber
112883	Elastovill E-KV-5 wf / EP-5 wf flam	sand	foil	polyester fiber
101059	Elastovill E-KV-4 wf / EP 4 s wf flam	sand	foil	polyester fiber
101061	Elastovill EP-5 wf ard flam	slate	foil	polyester fiber
102200	Villaverde WS-I	foil	sand	polyester fiber + copper

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102201	Villaverde WS-I-5 S blaugrün	slate	foil	polyester fiber + copper
100800	Villaverde E-CU-5	sand	foil	copperfoil
100570	Villasub UD E 4 flam	PP fleece	sand	polyester fiber
138122	Elastovill SBS Optima 5 schiefergrau	slate	foil	polyester fiber
101299	Villatop S 5 TOP	slate	foil	polyester fiber
131765, 101265	Villatop DUO dolomitgrau (Oberseite Plastomerbitumen)	slate	foil	polyester fiber
180219	Villatop DUO blank (Oberseite Plastomerbitumen)	sand	foil	polyester fiber
101071	ISOVILL E-GW-B	sand	sand	woven glass
101073	ISOVILL E-PV-B	sand	sand	polyester fiber
101075, 100100, 130154	ISOVILL E-5-B	sand	foil	polyester fiber
102280,180214	ISOVILL DUO-1	sand	foil	woven glass