

SAFETY DATA-SHEET

Polymer bitumen self-adhesive waterproofing membrane in rolls.

Foreword

Subject to Italian Legislative Decree no. 65 dated 14th March 2003 bearing "Classification and regulation of the packaging and labelling of hazardous preparations/mixtures in implementation of the directives issued by the Council and Commission of the European communities" the product considered is not subject to the obligation of issuing the safety data sheet, since it is a manufactured article and as such is not within the field of application of the standard that, on this subject, regulates just hazardous mixtures.

It is however considered appropriate to provide the information that follows in order to use it correctly, consequently utilising the 16-point scheme - subject to M.D. 7th September 2002 – and subsequent additions and amendments.

1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

- 1.1. Product name: Polymer bitumen self-adhesive waterproofing membrane in rolls.
- 1.2. Manufacturer/Company name: INDEX SPA
- 1.3. Premises address/Location: Castel d'Azzano 37060 Via G. Rossini 22 (VR)
- 1.4. Emergency telephone number: 045/8546201

2 - HAZARDS IDENTIFICATION

2.1. GENERAL INFORMATION.

The product "as is" is not classified as hazardous in accordance with the provisions of Italian Legislative Decree no. 65/03. At the application site, the rolls of waterproofing membrane are unrolled and laid over the surfaces to be protected; they are cold-glued by self-adhesion and the side and end joints are overlapped.

- 2.2. HEALTH RISKS: Not applicable
- 2.3. SAFETY RISKS: Not applicable
- 2.4. ENVIRONMENTAL RISKS

The membranes consist of inert and non-biodegradable material and consequently their decomposition time in the environment is rather long.

3. COMPOSITION / INFORMATION ON THE INGREDIENTS

3.1. COMPOSITION

The product is supplied in the form of membrane in rolls, made up of a mixture of distilled bitumen and polyolefin and/or elastomeric polymers.

3.2. INFORMATION ON THE INGREDIENTS:

The product does not contain components classified as hazardous in accordance with the provisions of Italian Legislative Decree no. 65/03.

4. FIRST AID MEASURES

- 4.1. PROLONGED EXPOSURE THROUGH INHALATION: Not applicable
- 4.2. SKIN CONTACT: Not applicable
- 4.3. EYE CONTACT: Not applicable
- 4.4. INGESTION: Seek immediate medical assistance.

5. FIRE-FIGHTING MEASURES

5.1. SUITABLE EXTINGUISHING MEDIA.

In the case of fire, extinguish with water mist, carbon dioxide, fire-fighting foams, chemical powders. Do not use water jets.

5.2. PERSONAL PROTECTIVE EQUIPMENT (PPE)

In the case of fire in a confined space, fire-fighting personnel must use breathing

apparatus with U.P. filter (Universal Protection) to protect airways against combustion gases and fumes (CO, CO₂, H₂S, SO₂, low-boiling HC, ethyl monomers, medium-high boiling HC).

6. ACCIDENTAL RELEASE MEASURES

6.1. Not applicable

7. STORAGE AND LAYING

7.1. STORAGE:

Keep the rolls standing upright, away from sunrays, heat sources and electrical systems (at temperatures between 0° C and 40° C). Suitable measures for preventing the build-up of static electricity are not necessary. Keep suitable extinguishing equipment at hand at all times (Point 5). Do not stack the rolls unless specified otherwise and illustrated on the packs and packaging.

7.2. USE:

The self-adhesive membranes are laid without using a torch or other sources of heat and can consequently be laid in confined spaces.

7.3. APPLICATION PROCEDURES:

The membranes are applied on site following the technical instructions supplied by the manufacturer in order to ensure that all the operations are carried out to technical perfection and in absolute safety.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Recommended personal protective equipment:

- Hand protection: Wear suitable protective gloves.
- Eye protection: safety goggles.
- Skin protection: Use suitable protective clothing.

8.2. The self-adhesive products are applied at ambient temperature without any additional heating and can consequently be laid in confined spaces.

8.3. Wash hands before work breaks and at the end of the job.

8.4. Keep work clothing in a separate place.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:	Membrane in rolls
- Odour:	slight odour of bitumen
- pH:	Not applicable
- Boiling point/range:	> +470°C approx. (bitumen)
- Melting point/range:	> +100°C
- Flash point:	> +230°C approx. (bitumen)
- Flammability (solid, gas).	Heating power 9,000 kcal/kg approx.
- Self-ignition temperature:	> +485°C approx. (bitumen)
- Explosive properties:	No
- Comburent properties:	No
- Vapour pressure:	Not applicable
- Density:	1÷1.5 kg/dm ³
- Solubility:	Solubility in water No Liposolubility Yes (organic solvents; oil)

10. STABILITY AND REACTIVITY

10.1. STABILITY: The product is absolutely stable under normal conditions of temperature and pressure

10.2. REACTIVITY: The product is chemically inert.

10.3. INCOMPATIBLE SUBSTANCES: The product interacts with strongly oxidising chemical agents (ozone, peroxides, etc.) with exothermic reactions, especially when hot.

11. TOXICOLOGICAL INFORMATION

11.1. The product is based on bitumen and thermoplastic polymers.

It does not contain carbon tar or asbestos.

11.2. "As is", it is not dangerous in any way.

12. ECOLOGICAL INFORMATION

12.1. Use according to good working practice, and do not abandon the product in the environment. Dispose of the packaging and the plastic removable film correctly.

13. DISPOSAL CONSIDERATIONS

15.1. The product is to be considered as non-hazardous waste in accordance with the provisions of Italian Legislative Decree no. 152 dated 3rd April 2006. It is mandatory to send the product to an authorized waste tip for disposal.

14. TRANSPORT INFORMATION

14.1. Not hazardous for transport.

15. REGULATORY INFORMATION

15.1. LABELLING: Symbols: Not necessary
Risk phrases (R): Not necessary
Safety phrases (S): Not necessary

15.2. EU LEGISLATION: Directives 67/548/EEC dated 27th June 1967, 1999/45/EC dated 31st May 1999, 91/155/EEC dated 5th March 1991 and their subsequent amendments and additions. Directive 92/32/EEC, Directive 93/67/EEC Regulation 793/93, Regulation 1488/94, Directive 98/24/EC, Directive 2001/60/EC, Directive 2004/73/EEC, Regulation (EC) no. 1907/2006 (REACH), Directive 2008/98/EC.

15.3. ITALIAN LEGISLATION: Legislative Decree no. 65 dated 14th March 2003; DPR (Presidential Decree) no. 482 dated 9th June 1975, Legislative Decree no. 22 dated 5th February 1997, DPR no. 336 dated 13th April 1994, Legislative Decree no. 25 dated 2nd February 2002, Legislative Decree no. 52 dated 3rd February 1997; Legislative Decree no. 285/98; Legislative Decree 152/2006, Legislative Decree no. 81/2008; Legislative Decree no. 106/2009 and their subsequent amendments and additions.

16. OTHER INFORMATION

16.1. Not applicable

The data sheet herein has been written according to the provisions of Appendix II of Regulation 1907/2006/EC.

The information given in the data sheet illustrated above is supplied at the current state of our knowledge and may also be subject to variations. The product must be stored and used according to health & safety standards and efficient industrial practice subject to the technical indications of INDEX S.p.A and in compliance with legal provisions.