



a.b.e.[®] Construction Chemicals Index Indextene

SELF-ADHESIVE BITUMINOUS MEMBRANE, SELF-PROTECTED WITH HDPE CROSS-LAMINATED FILM, COUPLED TO A SELF-ADHESIVE BITUMEN

DESCRIPTION

Indextene is a self-adhesive bituminous membrane, self-protected with a cross-laminated high-density HDPE film, coupled to a self-adhesive bitumen mass. The self protection of the cross-laminated high-density polyethylene allows for characteristics of dimensional stability of the membrane and a stable behavior when subjected to elongation both transversal and longitudinal.

USES

Indextene is used to cover flat or sloped areas where the use of open flame is not possible due to the materials or the site.

Indextene may be used to waterproof foundations, basements, insulation systems which do not resist fire or to protect structures from pollutants and salts.

APPLICATION

No special tools are needed to apply **Indextene** – required are a sharp cutting edge, a pair of scissors and a roller.

The roller is used to apply pressure to the material and to the overlaps which must be approx. 6cm longitudinally. An overlap line is indicated on the film 6cm from the edges and 8cm transversally.

For best results, the surfaces must be previously treated with a coat of **bitu.[®]prime** primer.

Indextene's underside is protected by paper. Remove about 50cm of paper at the start of the roll and press the material down onto the surface to be covered. Then, by pulling on the paper and unrolling at the same time, the material can be easily stuck to the working surface.

Indextene should be used in temperatures between 5°C and 45°C. It should not be applied in conditions of high humidity, frost or rain.

TECHNICAL CHARACTERISTICS

	INDEXTENE/ HDPE
Thickness of bituminous compound (UNI 8202)	1,40/0,10 mm
Total thickness (on request) (UNI 8202)	1,5 mm (2,0mm)
Weight (UNI 8202)	1,6 kg/m ²
Color	grey
Water absorption (ASTM D570)	0,09%
Tensile strength L/T (ASTM D638/M)	43,5/56,9 N
Ultimate elongation L/T (ASTM D638/M)	435/380%
Resistance to tearing L/T (nail) (UNI 8202/9)	83/73 N
Adhesion on concrete with primer (ASTM D1000)	4,9 N/mm
Adhesion on steel (ASTM D1000)	5,8 N/mm
Resistance to puncturing (ASTM E154)	262 N
Transmission of water vapor (ASTM E96)	0,05 g/m ² h
Resistance to water pressure (ASTM E1003)	500 kPa/48 h
Resistance to cold (DIN 52123)	-40°C
Working temperature	-30°C / +80°C
Compound elongation (ASTM 1000)	2000%

SHELF LIFE

Rolls enclosed in the original wrapping: 12 months at 5°C to 40°C.

CAUTION

The protective polyethylene film is not UV resistant: it should therefore be protected from the sun within months of application.

HEALTH & SAFETY

No known hazards.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavors to ensure that any advice,

recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.



a.b.e.® is an ISO 9001:2008 registered company
PO Box 5100, Boksburg North, 1461, South Africa
Website: www.abe.co.za | Tel: +27(0) 11 306 9000
Durban | Johannesburg | Cape Town | Port Elizabeth | East London | Bloemfontein | George

a.b.e.® is a Chryso Group Company

CHRYSO
CHEMICAL SOLUTIONS FOR THE
CONSTRUCTION MATERIALS INDUSTRY
DATE UPDATED: 31/03/14