INTERSEAL HD 2000

HIGH DENSITY POLYETHYLENE (HDPE) LINERS

DESCRIPTION

INTERSEAL HD2000 sealing membranes are plastic sealing sheet of HDPE according to DIN 16732 part 1 & 2. **INTERSEAL HD2000** sealing membranes were designed to fulfill many requirements of Building & Civil Engineering projects and have proved very successful in large number of projects. Different modifications and reinforcement linings allow membranes to be adapted to varying applications.

INTERSEAL HD2000 is specifically designed for reinforced concrete water tank linings specially for tank which are built underground for storage of water for both fire-fighting and human consumption purposes as well as corrosive chemical.

ADVANTAGES

- Watertight lining.
- Protect the concrete from aggressive water.
- Able to sustain great structural movements.
- Fast and easy to install.
- Can be cut into sheets of different sizes.
- Non-toxic.

SURFACE PREPARATION

All surfaces to be laid with **INTERSEAL HD2000** shall be thoroughly cleaned to remove all dirt, oil, grease, laitance, unsound material and protruding steel.

The concrete surface shall be structurally sound and all honeycombs or defective concrete shall be repaired by non-shrink cement grout or epoxy mortar. Any visible cracks shall be pressure grouted with CHEMIND's CHEMFOAM PU 6261.

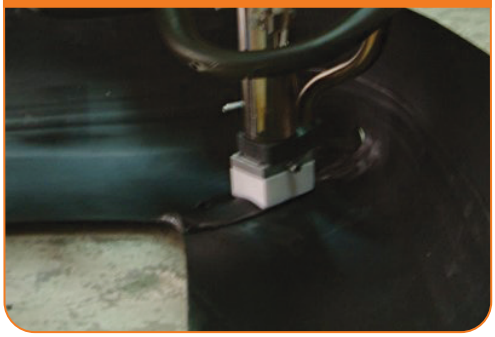
APPLICATION

The joining of **INTERSEAL HD2000** is done by hot air machine like the Leister machine. The overlapping requirement is a minimum of 25 mm.

LEISTER MACHINE



HOT AIR MACHINE



JOINING OF HDPE



TYPE

WATER TANK LINING

ADVANTAGES

HIGH FLEXIBILITY

NON TOXIC

COMPONENT

1 PART

INTERSEAL HD 2000

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RUBBER GASKET

Property	Test Method	Result
Thickness	ASTM D5199	2.0 mm
Ultimate Tensile Strength	ASTM D6693	57 N/mm
Long./tranv.	ASTM D6693	57 N/mm
Elongation At Break	ASTM D6693	700%
Tear Resistance	ASTM D1004	249 N
Low Temperature Stability	DIN 16729	-25 °C
Shrinkage	DIN 16729	± 1.0%
Water Absorption	DIN 53472	< 0.5%
Resistance To Acid And Alkali Solutions	DIN 16729	Resistance ± 15%
Behavior In Fire	DIN 4102/1	Hardly Combustible
Smoke Development	DS 899/35	Grade 3 moderate Non-toxicity
Weldability Strength	DIN 16729	7.5 N/mm^2

PACKAGING AND STORAGE

INTERSEAL HD2000 is black in colour.

It must be stored in normal storing conditions and it does not have a shelf-life.

Legal Notes:

'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

REF: PDS30040526