

HUNTON BITUMEN SOFTBOARDS



Hunton Protection Boards and Hunton Expansion Joint Filler

Hunton Fiber AS

Sales

Our products are world-wide known for excellent racking, weather resistance and insulation properties. From our sales office in Asker, Norway, Hunton operates a highly skilled technical sales organisation. Our flexible and efficient organisational structure ensures optimal service and customer satisfaction.

Markets

Our most important markets are The Middle East and Far East, Norway, Sweden, Denmark, Finland, Ireland and the United Kingdom. Export accounts for about 50% of sales. The company has over 100 employees divided into several locations; Gjøvik, Asker (Oslo), Sweden and Finland. The head office is based at Gjøvik, Norway.



Environmental friendly

As an example of our commitment to developing energy-saving products, Hunton received in 2008 a reward from the Norwegian Energy council. This stands as an example of Huntons leadership and environmentally friendly innovation.

ISO 9001 certified

Hunton is ISO 9001 certified. For Hunton Fiber AS this entails procedures that cover all business activity, monitoring to ensure excellent supply, record keeping, quality control and regular process review for improved performance.



Hunton manufacturers a wide range of wood fibre boards for the construction market including:

- Expansion Joint Fillers (EJF) and Protection Board for construction.
- Bitroc® for sheathing timber and steel frame buildings.
- Sarket™ for warm roof constructions.
- Silencio® for underfloor sound insulation.
- Silencio Thermo® for sound insulation and underfloor piped heating.
- Silencio El® for sound insulation and electrical heating.

Product safety data sheet

Hunton Bitumen Softboard is produced in Norway from wood fibre taken as waste chips, sawdust and off-cuts from saw-mills located close to our plant. All of our suppliers conform to the Norwegian laws regarding sustainability of the environment and forest management and are PEFC certified.

Our production process converts this waste material with only the addition of natural bitumen, waste newsprint and water into a board material.

Health hazards

There are no particular hazards to health caused by contact other than to take care when lifting to avoid injury. Gloves can be worn to protect hands from small splinter or sharp edges.

Fire and explosion hazards

There is no risk of explosion associated with the products in its solid form although processors should ensure that fine dusts or chips are not allowed to build up around machinery or buildings and so avoid the risk of dust explosion in the event of fire.

Transport precautions

No special precautions need to be taken other than to ensure adequate security of packs on vehicles.

Bulk handling and storage

Weight restrictions on handling equipment such as forklift truck or hand trucks, etc. should be observed carefully. Bulk packs should be stored flat and level on bearers of uniform height. Bulk storage facilities should be dry and well ventilated.

Processing considerations

End users performing sanding, cutting, profiling or hot pressing in confined environment should provide sufficient ventilation and extraction to maintain an environment which ensures compliance with the limits set for wood dust given by local authorities.

Special considerations

Considerations must be made to ensure compliance with local environmental regulations.

First aid

Dust or fiber in the eyes should be rinsed thoroughly with a suitable eye washing liquid. With remaining irritation, please contact a doctor.

Integrated compounds

Softboard	Bitumen impregnated
Wood*	62-87%
Aluminium sulphate*	1%
Water*	4-9%
Bitumen	10-35%
Formaldehyde	<0,003 mg/m ³

* Typical values. Slightly variations can be expected depending on the product and quality produced.

Bitumen Softboards

Products

Hunton Protection Board and Hunton EJP (Expansion Joint Fillers) are softboards with a density of 220 - 250 kg/m³. The boards are manufactured from pulp of Norwegian spruce, where the fibers are impregnated with bitumen to enhance water resistance, and sealed under high pressure during the process of manufacture.

Hunton Protection Board is primarily used to protect waterproofing materials from damage during normal construction activities or backfilling. Hunton EJP can be used in all Expansion Joints including roofs.

Excellent quality

Hunton EJP and Hunton Protection Board are produced to industry specifications, in quality controlled manufacturing facilities in

Norway. They can be used to meet even the most demanding of specifications and will fully protect the waterproofing membrane from the most aggressive and backfill materials.

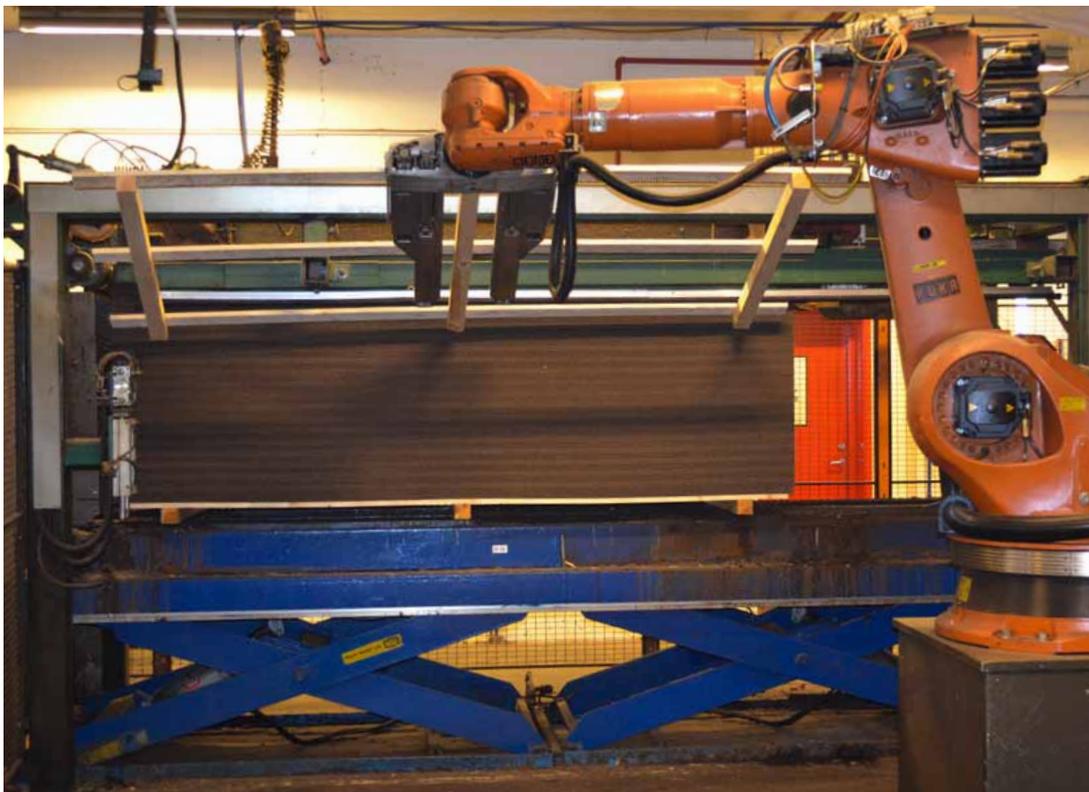
Product development

Hunton uses state-of-the-art-machinery and facility to produce high quality products. Technological advancements combined with sound know-how and staff expertise make it possible to offer products and building materials that are innovative, environmentally friendly and economical. Hunton Fiber constantly strives to develop new products, and meet new standards world wide.





Hunton Bitumen Softboards consists of compressed wood fibres from Norwegian spruce, impregnated with Bitumen Emulsion. Hunton Bitumen Softboards comply in general with the requirements of the American and European Standard Specification for Fibre building boards (ASTM D-1751-08, EN 13986 / EN 622-4).



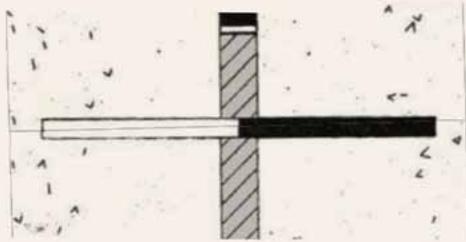
The boards are automatically packed.

Expansion joints in concrete

Insulation joints between concrete slabs, walls and around column bases

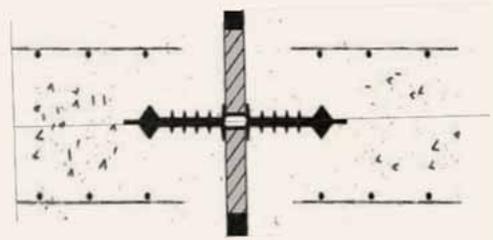
Expansion joint in vertical walls

- Internal walls
- Boundary walls
- Sea defence walls
- Between new and existing building



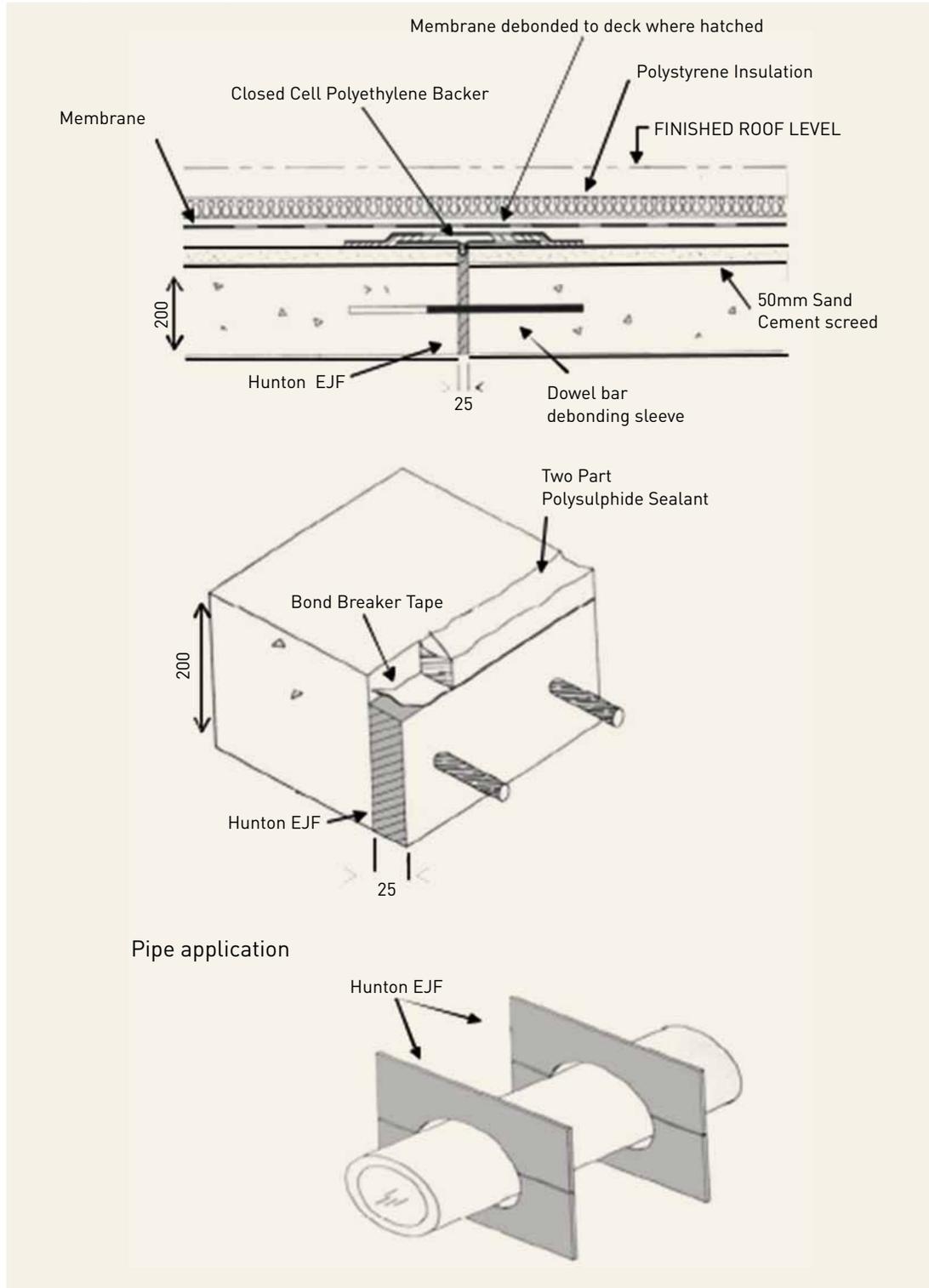
Expansion joint in concrete slabs

- Warehouses
- Factories
- Retail parks
- Hardstandings
- Airport Aprons and Taxiways
- Roads



Expansion joint in concrete roof and slabs

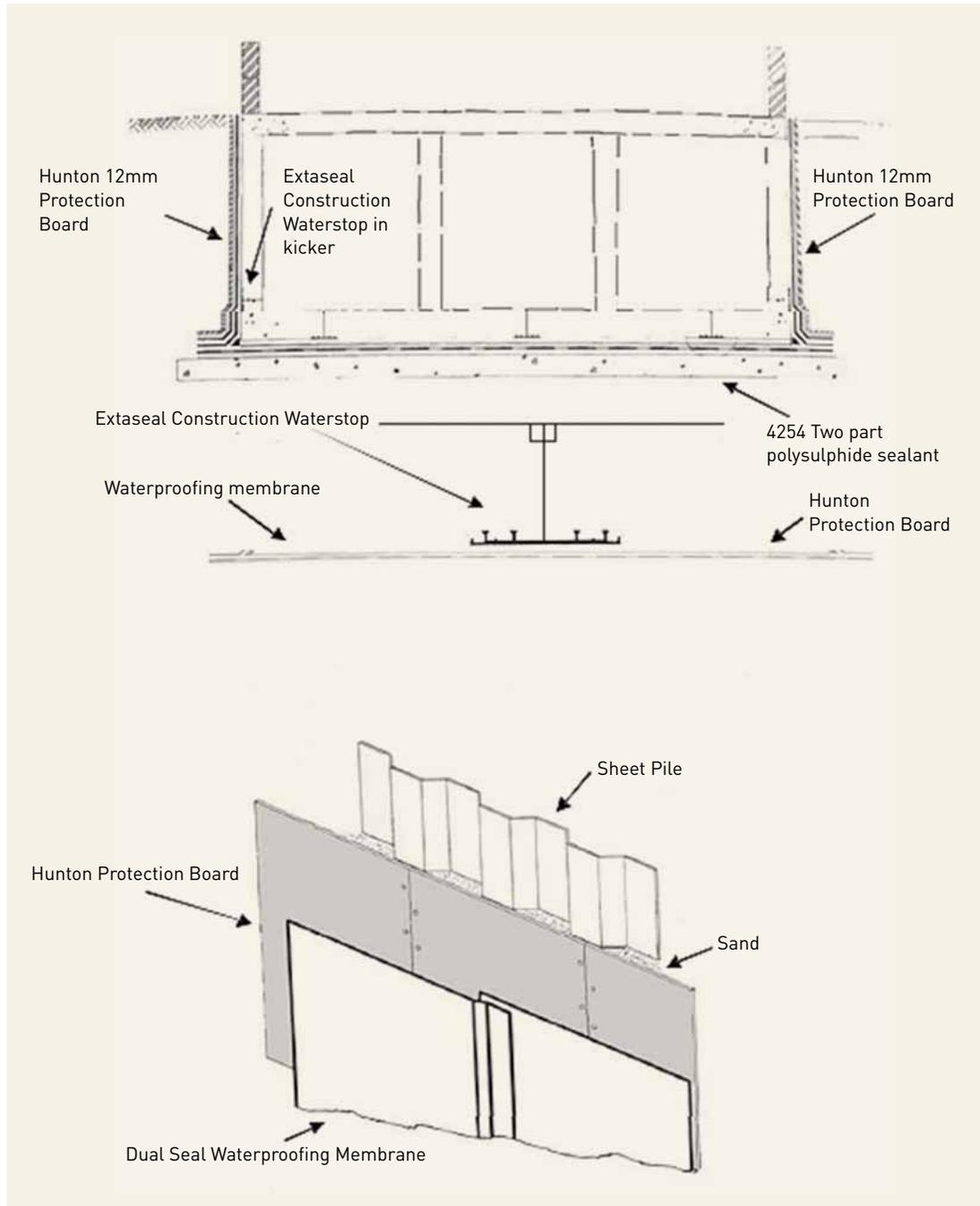
Example of usage:



Protection to waterproofing membranes

- Basements
- Retaining walls
- Lift pits

Example of usage:



Technical data sheet

Usage:

Hunton Bitumen Softboard is used as a general purpose expansion joint filler in concrete slab and wall construction, and as a protection board for waterproofing membranes.

Sizes / packing:

Thickness:	10 mm, 12 mm, 18 mm, 25 mm (max) – other thicknesses can be offered on demand.
Sheet size:	1220 x 2200 mm – for container shipments
Min. order:	1x40 HC container = 18 pallets
Packing – sheets/pallet:	10 mm: 110 12 mm: 92 18 mm: 62 25 mm: 45

Technical data:

Complies with ASTM D-1751-08 – regards with compression & recovery test (ASTM D545-08)
EN 622-4 – fiberboards specification
EN 13986
Compression & recovery (ASTM D-545-08) – recovery after compression: 80/82%.
For more test results, please see latest quality reports & test report from independent laboratory.

Typical test results (EN 622)

Thickness tolerance (%):	+/-7%*
Recovery (%):	80-83
Density kg/m ³	220-250
Asphalt content (20% bit):	17-23%
Water absorption (2 hrs):	16%-22%*
Swelling (2 hrs):	3,2-4,8%
Bending strength (N/MM ²):	1,8

*depending on thickness

Hunton also produces bitumen boards with more than 35% bitumen – according to ASTM D-1751-08. Test results on request.

References

- M25 London Orbital Motorway
- Chek Lap Kok International Airport, Hong Kong
- AL-AWEIR Power Station Dubai
- International Airport—Extension Bahrain
- Transportation Roads Improvement Program (TRIP) Abu Dhabi
- Dubai Festival City
- Down Town near Burj Dubai (tallest building)
- Al Naboodah Engineering: Dubai Terminal 3 project
- East Coast Cont & Trading (DIBBA): Damos Hotel
- Bin Beliala Cont: Al Nahda Building Construction
- McCarran Airport, Las Vegas, Nevada
- Philadelphia International Airport
- University of Arizona





Down town near Burj, Dubai



University of Arizona



Chek Lap Kok Airport, Hong Kong



Part of the production line – Gjøvik.



Local distributors:

Bahrain, Oman, UAE, Qatar:

Please contact our agent in UAE:

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Fax: (9714) 337 29 39 / 334 68 78

E-mail: belanitr@eim.ae

Website: www.belanitrading.com

Kingdom of Saudi Arabia:

Please contact our distributor: A. A. Al-Turki Trading & Contracting Est.
(ATCO), Construction Material Division

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For other countries in The Middle- and Far East – please contact our sales office in Norway.

Hunton EJF and Hunton Protection Board are supplied by technically capable distributors to the construction industry, throughout the world.

Should you require additional information, technical advice, or installation details, please contact your local Distributor or call our main office, see details below.



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