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EXPANSION JOINT SYSTEM

1. Expansion Joint Filler / Fiber Board
2. Resin Bonded Cork Sheet
3. Sealants (Polysulfide, Polyurethane, Acrylic & Silicone)
4. Backup Rods
5. Waterstops (see Part 2)

C.M.D.

the **Construction Materials Division** of

A.A. Turki Corporation 

BITULEX™

FIBER BOARD



DESCRIPTION

BITULEX FIBER BITUMEN IMPREGNATED BOARD is a versatile fiber building board with excellent qualities making it an ideal for a wide range of applications. Bitumen is incorporated into the board during the manufacturing process to improve its durability and moisture resistance. Due to the presence of the BITUMEN, impregnated fiber board is substantially darker than the standard soft board.

BITULEX AS EXPANSION JOINT FILLER

BITULEX is a perfect material for expansion joints in concrete and other expanding building materials - viz., on airport runways, road surfaces, bridge constructions, support structures, as well as facades and floors in buildings, walkways and pavements. Bitulex is flexible and withstands considerable compression - without losing its expansion qualities. It retains its weight and original dimensions.

BITULEX FOR PROTECTION

BITULEX is a simple, natural and economical solution. The boards are ideal for protection of underground constructions and waterproofing membranes against damage. Bitulex is water resistant, shock absorbing and provides good insulation. The boards are light to handle and are easy to work with hand or machine tools. Bitulex is also ideal for protection of insulation in flat roofs.

SPECIFICATION COMPLIANCE

- Complies to **ASTM D-1751-83**
- Complies with the type SBI requirements of BS 1142 : 1989 "Fiber Building Boards"
- Satisfies the requirements of the Dept. of Transport specification for highway works : 1983, Part 3 : clause 1015 and the Dept. of the Environment Specification for Road and Bridge Works : Clause 2630

TECHNICAL DATA

- Form	:	Compressible Sheet
- Bitumen Content	:	10 - 20 %
- Thermal Conductivity	:	0.05 to 0.055 W / MK
- Effect of relative humidity change 35 ° C to 85 ° C	:	Increase in length / width (0.4 % to 0.5 %)
- Density	:	230 to 310 kg / m ³
- Recovery	:	70 %

DIMENSIONS

- Thickness	:	10 mm, 12 mm, 18 mm, 25 mm
- Standard Board Size	:	2200 mm x 1220 mm (4 ft x 7.3 ft)

NOTE

Whilst every care is taken in compiling the technical information, no guarantee of suitability can be given as conditions of use are beyond the manufacturer's control. It remains the user's responsibility to ensure that the product will meet the intended performance criteria.

MANUFACTURED BY HUNTON FIBER AS, NORWAY

SOLE DISTRIBUTOR IN SAUDI ARABIA

A.A. TURKI CORPORATION - Construction Material Division

Khobar Sales Office : Tel. 882 7557 - Fax : 882 7095

Jeddah Sales Office : Tel. 691 2204 - Fax : 698 6553

Riyadh Sales Office : Tel. 476 2241 - Fax : 476 2485

CORKJOINT®

CORK FILLER



DESCRIPTION

CORKJOINT consists of extremely selected cork granules securely bonded together by a synthetic resin of an insoluble nature and molded under heat and pressure. CORKJOINT is strong, light in weight, flexible and acid resistant. CORKJOINT is essentially recommended for joints in concrete, brick or blockwork, require sealing and filling. CORKJOINT is a natural incorruptible and highly resilient product, suitable for filling expansion joints where expansion and contraction of joints is very intense.

ADVANTAGES

CORKJOINT is unaffected by temperature variations and prepared to support different atmospheric conditions without any physical alterations. Also unaffected by rodents, fungi and bacteria. Very easy to install thus saving time and cost.

APPLICATIONS

- ☞ Suitable for filling expansion joints in irrigation canals, culverts, dams, reservoirs, sea walls, sewage works, water treatment plants, swimming pools, storage structures, subways and basements.
- ☞ Recommended for filling joints in brick, block and concrete construction.
- ☞ Ideal for filling expansion joints across concrete floors and roof decks.
- ☞ Suitable for filling expansion joints in roads and bridge decks subject to heavy traffic.

TECHNICAL SPECIFICATIONS

- Form : Compressible Sheet
- Density : 210 Kg / m³
- Compression : 50 Psi to 1500 Psi (load required to compress sample to 50% of original thickness)
- Recovery (after compression) : regains upto 96%
- Extrusion (at 50% compression) : 0.25 inch (maximum)
- Acid Resistance : No disintegration
(1 hour boiling in hydrochloric acid)
- Weathering resistance : Satisfactory with no disintegration
- Temperature Resistance : - 40 ° C to 150 ° C
- Compliance : ASTM D 1752 - 67 (R73) Type II

STANDARD DIMENSIONS

- Sheet Size : 915 x 610 mm (2ft x 3ft)
- Thickness : 3, 6, 10, 12.5, 16, 18, 20, 25 and 30

MANUFACTURED BY CORKRIBAS INDUSTRIA G. DECORTICA, PORTUGAL

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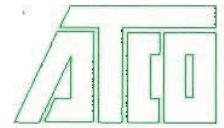
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TOILON®

BACK UP ROD



DESCRIPTION

TOILON is a chemically non-crosslinked polyethylene foam with closed cells, expanded five or forty times. It is a light and durable with excellent shock-absorbing and heat insulation properties. Water-repellent and highly resistant to extreme weather conditions and chemicals.

APPLICATION

Used alongwith the sealant and gasket material in various applications.

- ☞ Window and sash frames, glass reinforcement
- ☞ Expansion joints in concrete, rooftops, tunnel, subways, bridges etc.
- ☞ Joints in waterways, cleaning beds, storing reservoirs, swimming pools, dams, sewage systems etc.
- ☞ Window frames and joints in automobiles, trains, containers etc.

TECHNICAL DATA

- Expansion ratio	:	5 - 40 times
- Specific gravity	:	0.03 - 0.05 g / cm ²
- Tensile strength	:	2.8 - 4.1 kg / cm ²
- Elongation	:	240 - 250 %
- Compression strength	:	2.9 - 3.5 kg / cm ²
- Compression set	:	3.0 - 6.6 %
- Repeat Compression set	:	3.9 - 8.6 %
- Thermal conductivity	:	0.025 - 0.035 K cal / mh ° C
- Water absorption	:	0.01 mg / cm ²
- Shrinkage at 70 ° C	:	0.3 %

STANDARD SIZE

- Diameter	:	6 mm upto 50 mm
- Length	:	500 mtr / roll

COLOR

Available in white and grey color

MADE BY PAN EAST CORPORATION, SEOUL, KOREA

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