



Flintkote FG4 Fabric

High Strength Fibreglass Reinforcing Fabric

DESCRIPTION

Flintkote FG4 is an open mesh woven glass fabric for the reinforcement of asphalt, bitumen mastic, bitumen emulsions and waterproofing coatings.

ADVANTAGES

- High tensile strength significantly improves the waterproofing coating's resistance to cracking than unreinforced product and thus ensures a considerably longer life for the waterproofing layer.
- Does not rot, decay or absorb moisture.

USES

For reinforcing asphalt, bitumen emulsions or waterproofing coatings used for waterproofing applications, tank lining and wrapping.

SPECIFICATION CLAUSE

Reinforcing Fabric

Reinforcing Fabric to be embedded in the waterproofing/protective coating should be **Flintkote FG4** fabric supplied by Shell. It has to be installed according to the supplier's instruction.

APPLICATION INSTRUCTIONS

Surface Preparation

All surfaces shall be clean and free from dust, dirt, oil, grease, moss and loose material.

Coating Application

Apply a layer of chosen protective coating over the substrate being treated. Before this has dried, **Flintkote FG4** is unrolled

over the treated surface and thoroughly embedded with a brush or squeegee. Provide a minimum of 75 mm and 100 mm end and side lapping respectively. **IT IS IMPORTANT THAT THE FABRIC IS ADEQUATELY SMOOTHENED ACROSS THE SURFACE TO AVOID ANY WRINKLING EFFECT.** When the coating is dried, further layers of coating are added to achieve the desired thickness.

Pipes are usually spirally wrapped by hand or machine with adequate overlap, using a narrow strip of fabric which has been slit to the required width.

HEALTH AND SAFETY

Flammability : Non-flammable

Skin Contact : Does not have any effect on sensitive skin.

STORAGE

The storage life is indefinite under good storage conditions. The product must be kept sealed and stored under cover.

PACKING

Flintkote FG4 fabric	1 m x 100m per roll
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Note: Please confirm with the local Shell Company for product availability.

PRODUCT DATA SUMMARY

Property	Test	Typical Values
Weave		Plain
Thickness	ASTM D1777-64	0.14 + 0.01 mm
Finished Weight	ASTM D3776-85	64.5 ± 0.5% 81m ²
Thread count		
• Yarns Wrap		40 per 50 mm
• Yarns Weft		20 per 50 mm
Tensile Strength	ASTM D5035-90	
• Wrap		763.3 N/50 mm
• Weft		898.5 N/50 mm
Apparent Elongation		
• Wrap		2.70%
• Weft		3.30%

Typical values may represent average values from samples tested

Important Note

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Regional Office

(Hong Kong) Shell Hong Kong Limited

Tel: 852-23231000

Fax: 852-23232001

Email: csc@shell.com.hk

(Malaysia) Shell Malaysia Trading Sdn. Bhd

Tel: 1300-881808

Fax: 60-3-20536172

Email: flintkote@shell.com.sg

(Philippines) Pilipinas Shell Petroleum Corporation

Tel: 632-8166501 (Manila)

Fax: 632-8786554/1-800-1-0001

Email: intouch@shell.com.ph

(Singapore) Shell Eastern Petroleum (Pte) Ltd

Tel: 65-2632082/2632098

Fax: 65-2632049

Email: flintkote@shell.com.sg

(Thailand) Shell Company of Thailand Ltd

Tel: 66-2-2626000

Fax: 66-2-2626026

Email: shellcare@shell.co.th

(Vietnam) Shell Bitumen Vietnam Ltd

Tel: 84-4-9342150 (Hanoi)

Fax: 84-4-9342149 (Hanoi)

Email: flintkote@vietnam.shell.com

Tel: 84-8-8292932 (HCMC)

Fax: 84-8-8236575 (HCMC)

