

FEROLITE 333 COMPRESSED ASBESTOS FIBRE SHEET, RED

Compressed Asbestos Fibre (CAF) Jointing Sheet · Red · IS 2712 Grade W/3

BRAND: FEROLITE

SKU: SWBM-010

1.5 M X 1.5 M

CONTAINS CHRYSOTILE ASBESTOS



FIG. 1 | FEROLITE 333 COMPRESSED ASBESTOS FIBRE SHEET, RED

PRODUCT OVERVIEW

Ferolite 333 is a compressed asbestos fibre jointing sheet, made from chrysotile asbestos fibre bound with synthetic and natural elastomers and inorganic fillers. It is used to cut flange gaskets for steam, air, water and alkaline chemical service under low stress conditions, and is manufactured to IS 2712 / 1998 Grade W/3.

This product contains chrysotile asbestos, a recognised human carcinogen. Its supply, import and use are prohibited or restricted in many countries. Confirm the legal position in the destination jurisdiction before ordering, and observe the handling precautions set out on page 3. Where an asbestos free equivalent is acceptable, Superlite AF GP 150 is the direct replacement grade.

Material type	Compressed asbestos fibre (CAF)
Asbestos content	Contains chrysotile asbestos
Specification	IS 2712 / 1998 Grade W/3
Colour	Red
Sheet size	1.5 m x 1.5 m
Thickness range	0.40 mm to 6.00 mm

TECHNICAL SPECIFICATION

Material type	Compressed asbestos fibre (CAF)	Maximum pressure	35 kg/cm² (34.3 bar)
Fibre	Chrysotile asbestos	Maximum temperature	380°C
Binder	Synthetic and natural elastomers	Service	Low stress conditions
Filler	Inorganic fillers	Media	Steam, air, water, alkaline chemicals
Surface finish	Red. Grey and graphited also produced	Nominal density	1.70 g/cm³, indicative
Country of origin	India	Gasket cutting	ASME B16.21 or DIN flange tables

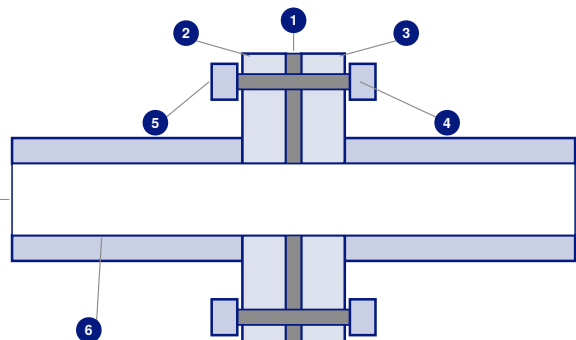
BILL OF MATERIALS


FIG. 2 | BOLTED FLANGE JOINT, SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	CAF gasket, cut from sheet (supplied item)	Chrysotile asbestos fibre, elastomer bound
2	Flange, upstream	Carbon or stainless steel
3	Flange, downstream	Carbon or stainless steel
4	Stud bolt	ASTM A193 B7 or equivalent
5	Hex nut	ASTM A194 2H or equivalent
6	Pipe bore	Gasket bore to match, no protrusion

Item 1 only is supplied under this reference, as full sheets or as gaskets cut to your drawing. Items 2 to 6 are shown to illustrate the assembled joint and are ordered separately. Cutting and machining this material releases respirable asbestos fibre and must be carried out under the controls described on page 3.

DIMENSIONS AND WEIGHTS

THICKNESS (MM)	SHEET SIZE	AREA (M ²)	MASS PER M ² (KG)	MASS PER SHEET (KG)
0.4	1.5 m x 1.5 m	2.25	0.68	1.5
0.5	1.5 m x 1.5 m	2.25	0.85	1.9
0.8	1.5 m x 1.5 m	2.25	1.36	3.1
1	1.5 m x 1.5 m	2.25	1.70	3.8
1.5	1.5 m x 1.5 m	2.25	2.55	5.7
2	1.5 m x 1.5 m	2.25	3.40	7.6
3	1.5 m x 1.5 m	2.25	5.10	11.5
4	1.5 m x 1.5 m	2.25	6.80	15.3
5	1.5 m x 1.5 m	2.25	8.50	19.1
6	1.5 m x 1.5 m	2.25	10.20	22.9

Thickness range 0.40 mm to 6.00 mm is the manufacturer stated range. Mass is calculated from an indicative density of 1.70 g/cm³, which is typical for the compressed asbestos fibre class and is not a manufacturer stated figure. Mass is calculated from the nominal density of the compound and is indicative only. Actual weight varies with batch, filler loading and thickness tolerance. Thickness tolerance is typically ±10 per cent unless otherwise agreed. Sheet and roll sizes are nominal.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SWBM-010
Sheet size	1.5 m x 1.5 m
Thickness	0.40 mm to 6.00 mm
Surface finish	Red. Grey or graphited on request
Asbestos free alternative	Superlite AF GP 150, green
Order example	SWBM-010 / 1.5 MM / 1.5 M X 1.5 M / RED

Confirm the legal position on asbestos containing materials in the destination country before placing an order. Stock held in Dubai for fast despatch across the UAE and GCC. Cutting to customer drawing, ring and full face gaskets to ASME B16.5 and DIN flange tables are available from our fabrication service. Contact our sales desk for pricing, availability, project quantities and certification requirements.



OPERATING CONDITIONS

Maximum pressure	35 kg/cm ² (34.3 bar)
Maximum temperature	380°C
Service condition	Low stress only
Media	Steam, air, water, alkaline chemicals
Specification	IS 2712 / 1998 Grade W/3

Maximum pressure and maximum temperature are manufacturer stated limits and must not be applied simultaneously. The safe working envelope is a function of pressure and temperature combined. The manufacturer specifies low stress conditions, so this grade is not suitable for heavily bolted or thermally cycled joints. Obtain the manufacturer P x T chart before specifying on a critical duty.

TYPICAL APPLICATIONS

- Steam, air and water flange joints under low stress
- Alkaline chemical service
- Pump and valve body joints
- General plant maintenance where the material is already in service
- Replacement gaskets on legacy asbestos jointed equipment
- Only where asbestos containing materials remain lawful

HEALTH, SAFETY AND COMPLIANCE

- Contains chrysotile asbestos, a recognised human carcinogen
- Prohibited or restricted in the EU, UK, Australia, Canada, Japan and around 70 other countries
- The US EPA ban finalised in March 2024 names asbestos containing sheet gaskets specifically
- Verify the legal position in the destination country before supply or shipment
- Supply with a safety data sheet and asbestos labelling in every case
- Manufactured to IS 2712 / 1998 Grade W/3
- Asbestos free alternative available: Superlite AF GP 150

INSTALLATION AND OPERATION

- Do not dry cut, grind, drill or abrade this material, these release respirable fibre
- Cut by die or sharp blade only, wetted where practical, never with power tools
- Wear a fitted P3 or FFP3 respirator, gloves and disposable coveralls when cutting
- Work in a designated area with local exhaust ventilation, never with compressed air
- Collect all offcuts and dust as asbestos waste and dispose of through a licensed route
- Never reuse a gasket, and treat every removed gasket as asbestos waste

COMPANY

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The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.