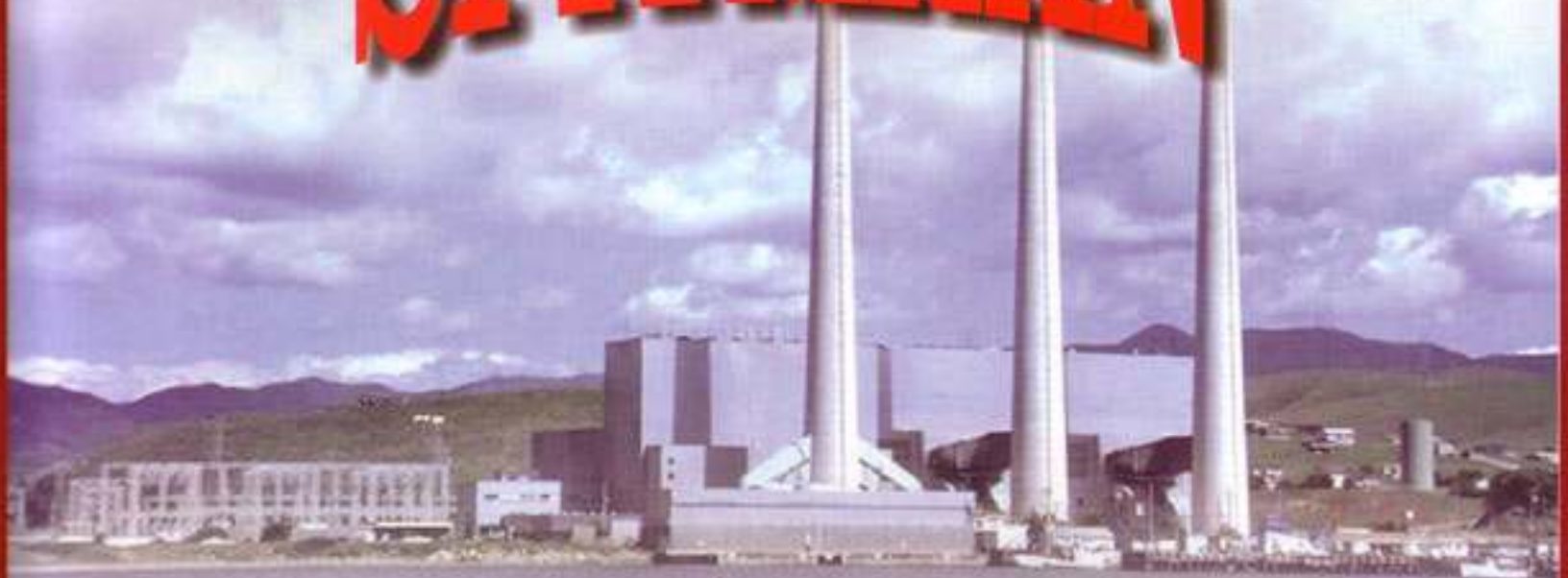




SPITMAAN



Compressed Asbestos Fibre Jointing Sheets



Reg. No. QAIC/TN047

CHAMPION JOINTINGS PVT. LTD.



SPITMAAN STYLE 20 STEAM

DESCRIPTION : Compressed Asbestos Fibre Jointing is a consistently uniform and resilient product. A price worthy quality of dependable performance, plus adaptability to many sealing requirements makes this 'STEAM' JOINTING the choice sheet packing of Plant Engineers and Maintenance men.

SPITMAAN STYLE 20 Jointings are developed for general purpose applications and this quality is applicable to a wide range of duties with less severe working conditions of temperature and pressure..

IDENTITY COLOUR TECHNICAL DATA

RED OR GRAPHITED

Recommended Maximum Temperature
Recommended Maximum Pressure
Specification Compliance

380°C.
35 Kg/sq.cm.
(IS 2712 - 1998 Grade W/3
(IS 2712 - 1971 Grade C.



SPITMAAN STYLE 51 HIGH PRESSURE

DESCRIPTION : Manufactured from selected Asbestos Fibre and bonded with high grade binder compound, this Jointing has a wide range of applications in the industrial field and is recommended against Steam, Neutral non-flammable gases, lyes, alkaline solutions, fats and oils, alcohols, motor fuels and such other engineering service conditions which do not warrant the use of a High Grade material as SPITMAAN STYLE 54 SUPER.

IDENTITY COLOUR TECHNICAL DATA

BROWN/GRAY OR GRAPHITED

Recommended Maximum Temperature
Recommended Maximum Pressure

440°C.
80 Kg/sq.cm.

**Specification
Compliance**

(Indian IS 2712 - 1998 Grade W/2
IS 2712 - 1971 Grade B/S
DGS & D G/MISC/81-c item 12 (b)
Commercial Quality
(British BS 2815 - 1973 Grade B



SPITMAAN STYLE 54 SUPER

DESCRIPTION : Manufactured from excellent quality of Chrysotile Asbestos Fibre and raw materials, the blend being intimately mixed with heat resisting rubber compounds under special process, to ensure maximum stability against high pressure and temperatures. Though primarily a super heated steam Jointing it is also recommended against saturated Steam, Oxygen, petroleum distillates, oils and fats, fuels, internal combustion engines, hydrocarbons, alcohols, solvents, lyes, etc. It is popularly used in MARINE ENGINES, electricity generating sets etc.

IDENTITY COLOUR TECHNICAL DATA

YELLOW/GRAY OR GRAPHITED

Recommended Maximum Temperature
Recommended Maximum Pressure

550°C.
150 Kg/sq.cm.
(Indian IS 2712 - 1998 Grade W/1
IS 2712 - 1971 Grade A/S
DGS & D G/MISC/81-C item 12 (a)
Special Quality
British BS 2815 - 1973 Grade A

**Specification
Compliance**



SPITMAAN STYLE - 20 METALLIC

DESCRIPTION : A Compressed Asbestos Fibre Jointing with wire gauze insertion supplied with Graphite Finish. Used for general purpose application where conditions of temperature and pressure are not too severe.

IDENTITY COLOUR
TECHNICAL DATA

GRAPHITED BLACK

Recommended Maximum Temperature
Recommended Maximum Pressure

415°C.
40 Kg/sq.cm



SPITMAAN STYLE - 51 METALLIC

DESCRIPTION : A Compressed Asbestos Fibre Jointing with wire gauze insertion supplied with Graphite Finish. Used for a wide range of industrial application and Engineering Service conditions which do not warrant the use of High grade material as SPITMAAN STYLE 54 SUPER.

IDENTITY COLOUR
TECHNICAL DATA

GRAPHITED BLACK

Recommended Maximum Temperature
Recommended Maximum Pressure

480°C.
100 Kg/sq.cm.



SPITMAAN STYLE - 54 SUPER METALLIC

DESCRIPTION : A Compressed Asbestos Fibre Jointing Graphited embedded with a strong reinforcement of steel wire gauze, THE SUPER METALLIC gasket sheet is superior in performance over other forms of Jointing Sheets where severe physical conditions of High Pressure and temperature have to be resisted. It is effectively used under rapidly changing operating conditions of pressure, where vibrations are experienced, where the flange of the gasket joint is narrow, in diesel exhaust manifold, cylinder head gaskets, internal combustion engines and Air Compressors.

IDENTITY COLOUR
TECHNICAL DATA

GRAPHITED BLACK

Recommended Maximum Temperature
Recommended Maximum Pressure

600°C.
160 Kg/sq.cm.



SPITMAAN STYLES 39

DESCRIPTION : Manufactured from selected quality of Asbestos Fibre and vulcanized with special rubber compound to meet with the exacting requirements of modern industry. Used for applications against dry and wet steam, water, gases, alkalies, oil at normal temperatures, chemicals, fuels etc. and general engineering. SPITMAAN : Style 39 can also be provided with wire guaze insertion in graphited finish.

IDENTITY COLOUR TECHNICAL DATA

ORANGE/RED/GRAY OR GRAPHITED

Recommended Maximum Temperature
Recommended Maximum Pressure

440°C.
80 Kg/sq.cm.

Specification
Compliance

(Indian IS 2712 - 1998 Grade 0/2
(IS 2712 - 1979 Grade W/2
(IS 2712 - 1971 Grade B/S
(British BS 2815 - 1973 Grade B



SPITMAAN STYLE 59 OIL

DESCRIPTION : A high grade Asbestos Fibre Jointing bonded with a sophisticated compound, this specialised jointing withstands the most exacting demands of oil and Petrochemicals plants, solvents refrigerator, oil etc. Used in pipe lines and apparatus of the petrochemical fields, petroleum distillates, oil and petroleum refining industries. It is also recommended in industrial processes with high contents of aromatic substances, sulphurous compounds, chloric hydrocarbons, phenols, refrigerants; etc. Use of SPITMAAN oil jointing sheet assures safety and economy even on critical working conditions. The jointing gives satisfactory services against steam also.

IDENTITY COLOUR TECHNICAL DATA

DARK GREY

Recommended Maximum Temperature
Recommended Maximum Pressure

550°C
150 Kg/sq.cm.

Specification
Compliance

(Indian IS 2712 - 1998 Grade 0/1
IS 2712 - 1971 Grade A/O
(DEFENCE TS RED/71/59, British BS 1832-1972)



SPITMAAN STYLE 60 ACID

DESCRIPTION : This is a specialised Asbestos Fibre Jointing Sheet which is intimately bonded with Acid resisting compound, to with stand the corrosive action of acids and chemicals. Recommended for use against hot concentrated organic, Inorganic and mineral acids including hydrochloric, sulphuric (oleum) and nitric acids, under service conditions of temperature and pressures commonly encountered in Chemicals Industries.

IDENTITY COLOUR TECHNICAL DATA

CREAM/LIGHT GREY

Recommended Maximum Temperature
Recommended Maximum Pressure

210°C
150 Kg/sq.cm.

Specification
Compliance

(Indian IS 2712 - 1998 Grade A/1)



Reg. No. QA/CEN/847

SPITMAAN

COMPRESSED ASBESTOS FIBRE JOINTING SHEETS

"Spitmaan" jointing sheet technology is based on a tradition which stretches back over few decades. With close co-operation with our customers, by constant development of composition of materials and by use of high quality raw materials, the company has produced reliable gasketing products, which always correspond to the latest state of technology.

"Spitmaan" products are developed with the strong belief on the proven fact that the most qualitative gasket is cheaper than the work necessary for changing an improper gasket.

MAJOR TECHNICAL FEATURES

STYLE	TENSILE STRENGTH N / mm ²	STRESS RESISTANCE N / mm ²	COMPRESSIBILITY %	RECOVERY %	IGNITION LOSS %
20	9.5	20	7.5-12	≥ 42.5	≤ 20
20 M	12.0	20	7-12	≥ 45	≤ 20
51	18.0	23	7-12	≥ 45	≤ 22
51M	20.0	23	7-12	≥ 45	≤ 20
39	18.0	23	7-12	≥ 45	≤ 22
54Super	28.0	28	6.5-11.5	≥ 50	≤ 25
54SuperM	30.0	30	7-10.5	≥ 50	≤ 22
59Oil	28.0	30	7-10.5	≥ 50	≤ 25
60Acid	27.0	25	7-12	≥ 45	≤ 25

Also available with antistick Polymer / Graphite surface coating.

Tests : Tests are conducted in our laboratory equipped with latest testing equipments according to international test specifications & ISI. Some of the important tests carried out are for *Compressibility, Recovery, Stress relaxation, Flexibility & Resistance to fluid media, besides the routine tests for tensile strength, ignition loss, density, etc.*

"Spitmaan" Metallic jointing sheets : With the operating temperature and pressure high and when the effective gasket area is small, jointing sheets with wire gauze reinforcement are suggested to be used.

SPITMAAN ASBESTOS JOINTING SHEET SIZES

Nominal sheet Thickness Approx. (mm) 0.4 / 0.5, 0.75 / 0.8, 1.0, 1.5, 2.0, 3.0, & above upto 6.0 mm /
Sheet size Approx. 1525 mm x 1650 to 5000 mm (variation ± 5%)

* As the company's products are used for a multiplicity of purposes and as the company has no control over the method of their application or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and / or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for the customer's assistance only and without liability on the part of the company.

SPITMAAN
COMPRESSED ASBESTOS FIBRE JOINTING SHEETS
Insist on Quality - Insist on Spitmaan

Gasket Selection

Gaskets must maintain a seal for an acceptable period against all of the operational forces involved and to achieve this, there are eight important properties which any good gasket should possess:

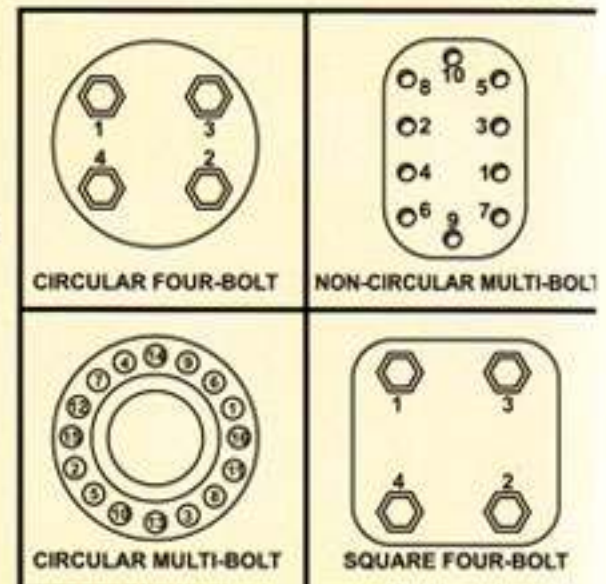
- The gasket should not be porous to the fluid being sealed.
- The gasket should compress into the imperfections on the flange to create initial seal on application of sealing force.
- The gasket should not show significant creep under the influence of load and temperature. Such flow will allow the bolts to relax, reduce gasket surface stress and cause leakage.
- The gasket should be capable of catering to slight distortion between the flanges.
- The gasket should withstand chemical attack from the media being handled.
- The gasket has to be easily dismantled after use.
- The gasket should be able to withstand effects of temperature of the confined media.
- The gasket should not cause corrosion of the flange faces.

(Please visit our website for the questionnaire form to be filled and sent to us for our guidance on appropriate style selection for any new/existing applications)

Spitmaan Asbestos fibre jointing sheets are manufactured on latest factory equipments and developed with the aid of research and scientific facts to take care of one and all of above factors combined with highly specialised technical knowledge of Engineers with experience of a life time. Our products meet with the increasingly exacting requirements in Engineering and chemical industries for contact gaskets on fixed sealing faces. Spitmaan Asbestos fibre jointing sheets are manufactured to international quality standards, which our customers can depend upon. The operating temperature for Asbestos fibre jointing sheet material is related to the thickness selected. Thinner materials offer better temperature and pressure properties.

Proper Bolting Procedure

The sequence in which bolts are tightened has a substantial bearing upon the distribution of contact area stress. Improper bolting may cock the flange out of parallel. It is important for proper sealability that the flanges are clean and free from any serious defect.



SPITMAAN



Reg. No. QAIC/IN/04

CHAMPION JOINTINGS PVT. LTD.

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