

# **beldam lascar seals limited**

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## **beldam lasoid acid jointing**

**beldam lasoid acid jointing** is specially formulated to withstand aggressive chemical environments. It is based on a blend of fibres with an acid resistant binder system.

**beldam lasoid acid jointing** is resistant to most mineral acids including concentrated Sulphuric, Hydrochloric and 50% Nitric Acid. It is also suitable for use with hydrocarbons, fuels and refrigerants.

See overleaf for Chemical Resistance Chart.

### **Typical Test Results**

Test Thickness	mm	1.5
Max. Temperature	°C	200
Max. Pressure	bar	40
Compression	ASTM F36 %	10
Recovery	ASTM F36 %	50
Density	g/cm <sup>3</sup>	1.75
Tensile Strength	ASTM F152 MPa	11
Gas Leakage	BS 7531 cm <sup>3</sup> /min	< 1.0
95% Sulphuric Acid	Thickness Increase %	16
36% Hydrochloric Acid	Thickness Increase %	15
50% Nitric Acid	Thickness Increase %	7

#### **Please note:**

These temperature and pressure guides cannot necessarily be used simultaneously and may not apply to all thicknesses.

Also thinner thicknesses offer better temperature and pressure properties.

<b>Supplied</b>	<b>Sheet Sizes</b>	<b>Thicknesses</b>	
	1.5 m x 1.5 m	0.4 mm	1.5 mm
	2.0 m x 1.5 m	0.5 mm	2.0 mm
	2.0 m x 2.0 m	0.75 mm	2.5 mm
	2.0 m x 6.0 m	1.0 mm	3.0 mm

**Also available in cut joints**

# Chemical Resistance Chart

This table is intended as a guide to assist the selection of the correct grade of jointing for a particular service. The many variations in working conditions make an absolute guarantee impossible, therefore, if in doubt our technical staff will always be pleased to make a recommendation.

<b>KEY.</b>	<b>1. Suitable</b>
	<b>2. Suitability depends on operating conditions</b>
	<b>3. Not suitable</b>

	1	2	3		1	2	3
Acetic acid	1			Glacial acetic acid	1		
Adipic acid	1			Hydrochloric acid 20%	1		
Ammonia	1			Hydrochloric acid 37%	1		
Ammonium Hydroxide	1			Hydrogen sulphide	1		
Benzoic acid	1			Kerosene	1		
Boric acid	1			Lye	1		
Carbolic acid		2		Malic acid	1		
Carbon dioxide	1			Mineral oil	1		
Chlorine (dry)	1			Naphtha	1		
Chlorine (wet)		2		Nitric acid 20%	1		
Chromic acid			3	Nitric acid 50%	1		
Citric acid	1			Oleic acid	1		
Cresols		2		Oxalic acid	1		
Crude Oil	1			Palmitic acid	1		
Diesel oil	1			Phosphoric acid	1		
Ethane	1			Phthalic acid	1		
Ethanol	1			Pyridine			3
Ethanolamine	1			Salicylic acid	1		
Ethyl acetate			3	Sodium hydroxide	1		
Ethylene glycol	1			Steam	1		
Formic acid	1			Steam condensate	1		
Freon 12	1			Stearic acid	1		
Freon 13	1			Sulphuric acid (dilute)	1		
Freon 22	1			Sulphuric acid (conc)	1		
Freon 123	1			Sulphurous acid	1		
Freon 125	1			Toluene	1		
Freon 134A	1			White spirit	1		