

Gasket Selection

Materials / galvanic corrosion

To avoid galvanic corrosion it is important that the potential difference between the joined materials is not too high. The difference in voltage between any two materials is an indication of their compatibility and the following criteria are commonly used:

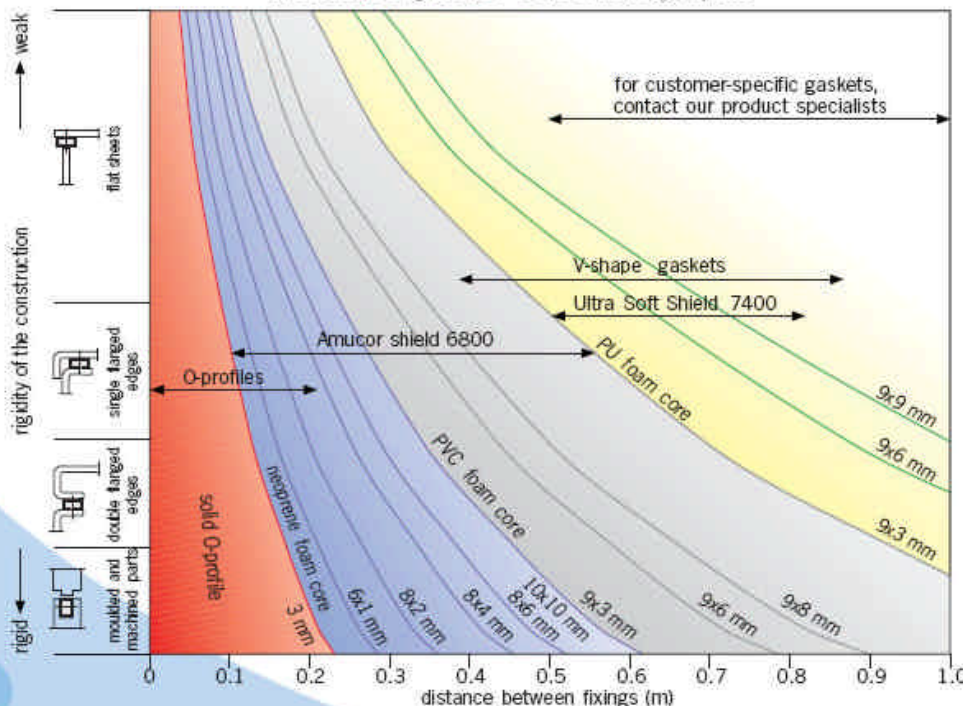
- Harsh environment (exposure to salt spray/weathering)
- Benign environment (indoors, salt-free condensation only)

no more than 0.3 volts

no more than 0.5

Material	Volts	Amucor shield	Ultra Soft shield/Monel	Tinned copper
Zinc die-casting alloy	- 1.10			
Zinc plating on steel, chromate passivated	- 1.05			
Cadmium plating on steel	- 0.80			
Aluminium, wrought, cast A1	- 0.75			
Iron and steel: not corrosion resisting	- 0.70			
Aluminium alloy/Amucor	- 0.65	*		
Duralumin	- 0.60			
Tin plate (T.C.S.)	- 0.50			*
Tin plating on steel	- 0.45			
Chromium plating on nickel plated steel	- 0.45			
Iron and steel: corrosion resisting, 12% Cr	- 0.45			
Iron and steel: corrosion resisting, high Cr	- 0.35			
Copper and its alloys, conductive fabric	- 0.25		*	
Nickel-copper alloys, incl. Monel	- 0.25			
Silver	0			
Carbon (colloidal graphite in acetone)	+ 0.10			
Gold	+ 0.15			
Platinum	+ 0.15			

indicative gasket selection graphic



Type of gasket / dimension

Warranty

All Holland Shielding Systems products are continuously checked during the manufacturing process. Therefore all our products can be considered quality products, free of manufacturing errors.

The technical data of our products are based on research and should only be regarded as a guideline for the different applications. Due to the wide range of products and the large variety of applications the technical data are never to be interpreted as a guarantee. It is the buyer's responsibility to test whether the product meets the desired requirements.

In the event that, unexpectedly, defects should be found in our products, Holland Shielding Systems will investigate and replace these products as soon as possible. Holland Shielding Systems cannot be held responsible for any delays that might ensue.