

SPECIAL FLEXPRO™ INSULATING GASKET

**Superior Sealability COMBINED WITH
Excellent Insulating Properties**



Flexitallic®

FLEXPRO INSULATING GASKET

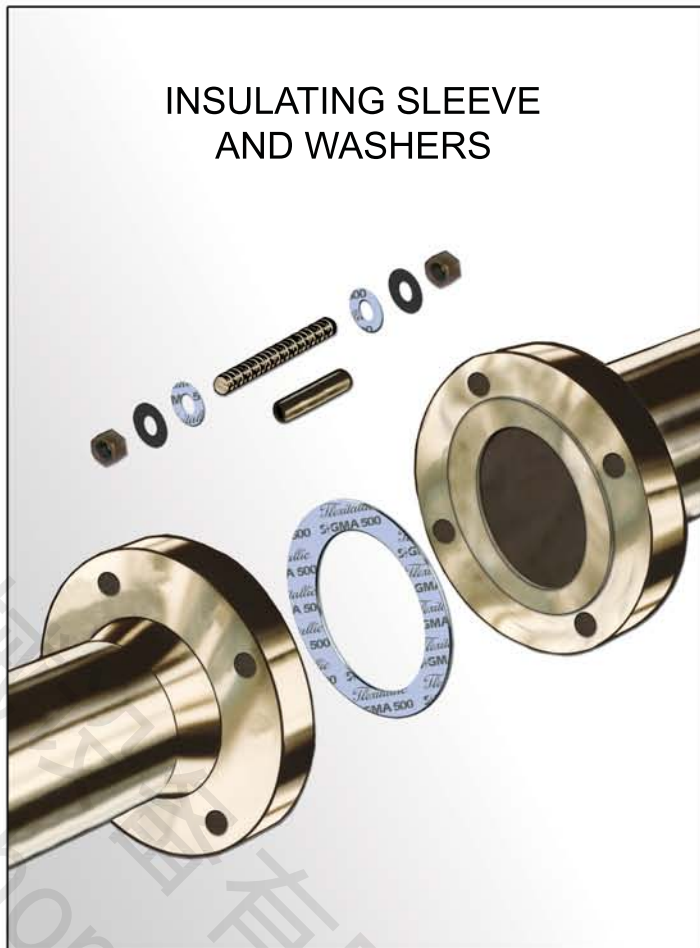
Insulating sets are used for pipeline flange corrosion protection, especially in applications where dissimilar flanges are joined. The use of dissimilar metallic flanges and the presence of an electrolyte may set up a galvanic cell which will corrode the anodic metal.

Common sheet gaskets used to insulate low pressure low temperature applications can not tolerate internal high pressures or high temperature media. These gaskets are limited to 250°F maximum and are usually only suitable for 150 and 300 pressure classes.

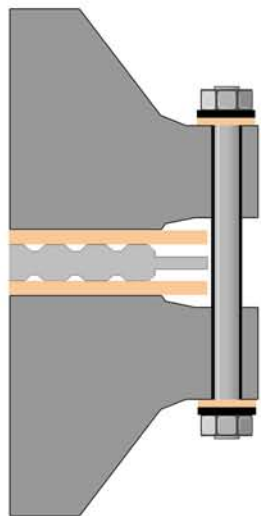
Flexitallic special Insulating Flexpro gaskets are capable of sealing very high internal pressures (as high as Class 2500). The solid metal core gives the gasket excellent blowout resistance and stability for ease of handling and installation. The soft, relatively thin facing material requires only a low minimum seating stress in combination with minimal relaxation compared to other soft sheet materials, such as skived Teflon. The low minimum seating stress ($y = 2,500$ PSI) makes it ideal for use with low pressure flanges or flanges with limited bolting, yet with the solid metal core, the gasket can support high stresses without crushing of the gasket.

Sigma facing can be used for temperatures as high as 500°F. Sigma is the Flexitallic brand name for biaxially reinforced PTFE with low creep relaxation.

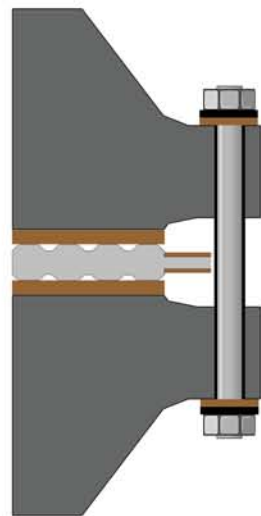
For higher temperature applications Thermiculite facing is recommended. Thermiculite is Flexitallic brand name for a proprietary vermiculite based material capable of temperatures as high as 1800°F.



Insulating Flexpro
with Sigma 511 Facing



Insulating Flexpro
with Thermiculite Facing



- Available for standard or specially designed flanges
- Soft conformable facing
- Robust, easy to handle
- Blowout resistant
- Creep resistant; better torque retention
- May be refurbished by Flexitallic
- Available with full face design

Flexitallic[®]
HIGH PERFORMANCE SEALING