



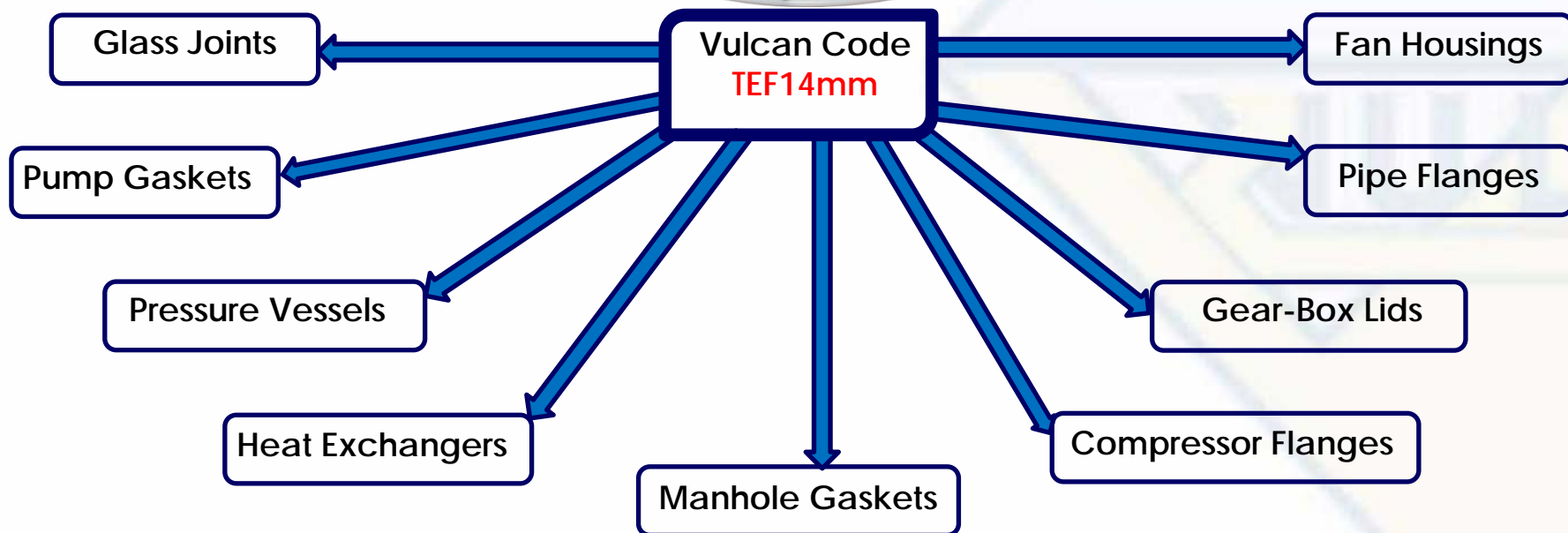
# Vulcan Tefcan Presentation

TEFCAN



# Tefcan Tape & Tefcan Sheet

TEFCAN is 100% PURE Expanded PTFE, available as Sheet, Gasket Tape and Joint Sealants, in a soft, flexible form that compresses to perform a gas tight seal.





# TEFCAN Material

Vulcan Engineering Limited holds one of the largest and most competitively priced ranges, ex-stock of Expanded PTFE in the world.





# TEFCAN Material

TEFCAN is made of **100% pure PTFE**, expanded via a unique process into a consistent, highly fibrillated structure. Upon compression, the fibrils lock together to form a strong, uniform material that is impervious to gases and liquids. The material is completely unaffected by virtually all media and is incredibly resistant to creep, relaxation and cold flow inherent in other gasket materials, especially virgin, or filled, PTFE.



# TEFCAN Material

The compression characteristics of TEFCAN are very different to those of regular PTFE. All forms of TEFCAN are **flexible and stable**, even under extremes of temperature and pressure, whilst maintaining their inherent high tensile strength and structural integrity, that prevents relaxation and cold flow.



# TEFCAN Material

TEFCAN sealants **conform to irregular shapes** and surfaces. Once compressed, they produce a tough, inert, long lasting gasket that seals against extremes of temperature, pressure and corrosive media, where conventional materials will break down.

**Operating throughout the pH range, resistant to thermal cycling, non- contaminating and FDA suitable**, TEFCAN materials can be used in any industry, sealing the simplest to the most difficult of gasket applications.



# TEFCAN Material

With conventional gasketing materials, tests have shown flanges to be responsible for the majority of fugitive emissions from industry. environmental regulations and reducing Meeting product loss means significantly lower flange emissions. **TEFCAN provides an extremely tight and secure seal for controlling emissions** and is suitable for use on a plant-wide basis.



# TEFCAN Material

Specification of TEFCAN material, in or throughout your plant, **will significantly reduce inventories and costs** whilst maintaining gasket performance, reliability and life.



## Service Limits

All TEFCAN sealants offer the following exceptional service capabilities:-

**Gasket Temperature: -240 °C to +310 °C  
(-450 °F to + 600 °F)**

Internal Pressure: Full vacuum to **3,000 psi.**

For fine faced flanges, pressure range could be extended **to reach 5,000psi.**

pH Value (of media): 0 - 14 except for molten alkali metals and elemental fluorine.



## TEFCAN Sealant Range

**TEFCAN material is extremely versatile.**

This expanded PTFE is available in various product types, forms and shapes.

Each TEFCAN product has superior sealing and gasketing properties for use in a broad range of applications.



## TEFCAN Sheet Gasketing.

This technologically advanced gasketing material provides all the advantages of PTFE in a pure expanded form that resists cold flow.

**Flexible and economical, it is fast and easy to cut and install.** Supplied as pre-cut gaskets or in sheet form to cut on site as required.



## TEFCAN Gasket Tape.

**Tape** - High-performance, flat gasketing material for applications requiring a strip or full-face gasket.

Combines the benefits of TEFCAN Joint Sealant and Sheet Gasketing to offer flat-sheet, strip gasketing to create gaskets with minimal waste.  
Adhesive-backed for ease of installation.



## TEFCAN Vessel Lid Seal.

Thick, conformable, flange gasketing tape of pure expanded PTFE. **Specially designed for large lid or cover seals**, particularly with uneven or damaged surfaces, or that require easy compression of the gasket.



## TEFCAN Special Shapes.

TEFCAN Joint Sealant is also produced in various forms apart from the standard oval section. **Available as square, rectangular, round and V shaped** to fit all kinds of flanges, or sealing surfaces, that have particular configuration, slots, grooves, or special requirements. TEFCAN may also be constructed in **rigid, insertable gasket form** for sealing plain or raised-faced flanges in pipe-lines.



# Vulcan Tefcan Presentation

Thank You