



SealingProjex

SPECIALIST SEALING SOLUTIONS

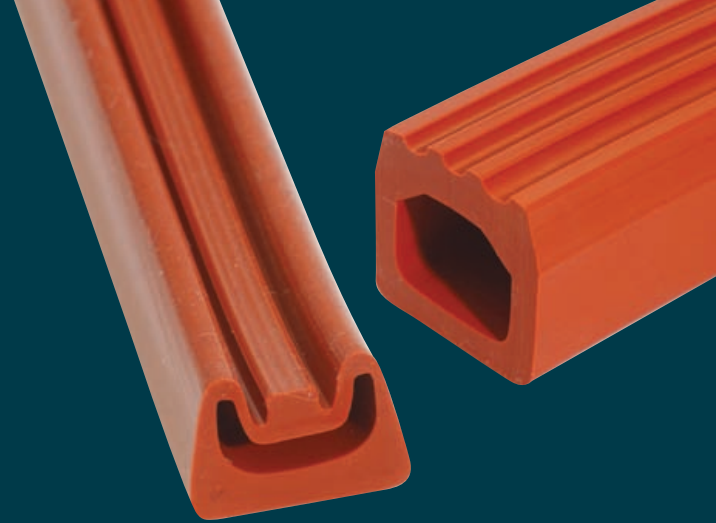


H I G H Q U A L I T Y E N G I N E E R E D S E A L I N G S O L U T I O N S



Iso-Flate

INFLATABLE RUBBER SEALS



The inflatable seals manufactured by Sealing Projex are designed to provide a clean, time saving solution for airtight sealing alongside, powders, granules, gases, liquids and dust.

These seals are most useful to seal fabricated pieces of equipment where:

- The sealing gap may vary
- Fast efficient assembly and disassembly is required
- Hygienic procedures exist (FDA applications and regulations)

Generally working from within a given groove size the seals can operate axially, and for both inward and outward radial movements. The most popular requirements are for FDA approved Silicone Elastomer in either white, red or blue iron oxide colours. Other Elastomers and Pigmentations are available for a wide variety of sealing applications.

We carry a vast number of “common profiles” on stock, this enables Sealing Projex to provide a quick turnaround of seals when required. Our seal joining method incorporates a high pressure Shot Moulding technique (Vulcanizing), this utilizes an identical compound injected at the joint to produce a high strength bond, resulting in a clean smooth line finish. No additives or adhesives form part of the bond. This process provides a High Integrity seal capable of performing under greater and

higher pressures than most if not all other similar type of seals in the market.

The same ‘Shot Moulding’ technique is used to bond most types of the available inflation connectors to the seals as required by the customer/application. This process bonds the connector to the seal by localized injection of identical compound vulcanizing the connector to the seal. The strength integrity of a Vulcanized Connector far exceeds any mechanical fixing or adhesive bonded connector, associated with this type of seal.

Other materials are also available which include Fluoropolymers such as Viton® and Fluorosilicone, Anti-Bacterial Silver loaded Silicones and EPDM.®



The Valiflate - can be used at a clients premises to validate seal performance and durability



Bespoke made inflatable seals - Manufactured to perform in the most critical of applications



Sealing Projex can also design and manufacture your machined doors and seal housings



All seals manufactured by Sealing Projex are independently pressure tested and supplied with a supporting 'Test Certificate'. Standard tests are performed with the seal free standing and unsupported at pressures varying from 1Bar to 4Bar dependant upon the seal profile. More elaborate tests can be performed to simulate the working conditions of the customer requirements and specifications by incorporating the seals in purpose designed test rigs. In these conditions seals have reached and maintained up to 12Bar. With the aid of purpose designed test rigs, which enclose the seal, our

production techniques are tested (and supported with proven case history) on some profiles to perform at up to 12 bar pressure.

Rapid Cycle Testing:

Sealing Projex have invested in equipment to perform rapid cycle seal tests. On request, it can be brought to a customers premises to validate a seal design that is to be incorporated in your original equipment.

For more information call our sales team on: ☎ 01942 874547



State of the Art

Our vulcanisation methods will ensure a compliant seal everytime



Connection Types

Utilise one of our many standard Valve / Air connections or suggest your own



Profiles

Request a copy of our standard profiles, or alternatively allow us to reverse engineer your existing seals



Traceability

Every Sealing Projex seal comes with its own visible batch traceability reference and printed pressure test certificate



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