TECHSEAL

REINVENTING TECHNOLOGY FOR SEALING APPLICATION

NATURAL GAS & LPG SEALING SOLUTIONS

Reinventing how cork engages the world.

AMORIM
CORK COMPOSITES

THE QUALITY SEAL FOR GAS & LPG APPLIANCES

Amorim Cork Composites has many years of experience in providing sealing solutions to numerous industries, supplying engineering support during product development, giving a global advantage when it comes to designing sealing systems, and allowing for overall that allows an overall optimised sealing solutions to our clients.

Techseal products are designed to withstand the requirements of Natural Gas & LPG appliances, valves, devices or gas installations, while providing our customers with manufacturing options that will ensure a reliable finished component or product.

REINVENTING SUSTAINABILITY FOR THE FUTURE

Cork and rubber gaskets were developed for application in engines, given their capacity to adapt perfectly to the material to be sealed.

Product range

	TS1028	TS1302	TS5500	TS7090
KEY REQUIREMENTS				
Natural Gas	●	●	●	●
Liquid Petroleum Gas	●	●	●	●
High Temperature Resistance (°C)	125	125	90	110
High Load Bearing	++	+++	+	+
Low Load Bearing	++	+	+++	+++
CERTIFICATIONS & APPROVALS				
NP4464 [a]	✓	✓	✓	✓
UI157 [b]		✓ (1)		
DIN 3535 part 5 [c]	✓ (2)			
JIA C001 [d]				✓
EN 30.1.1, part 6.1.1.2 [e]	✓	✓		

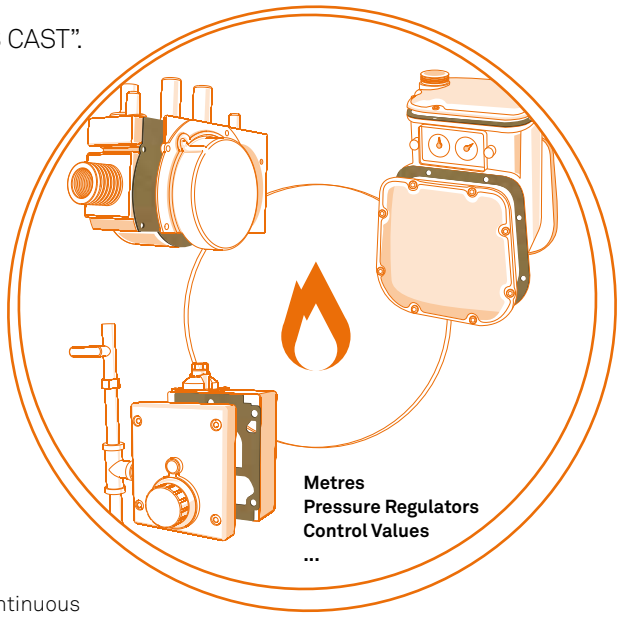
● **Suitable** ✓ **Complies**

[1] **UL listed N° JMST2.MH2117**
[2] **DVGW Certificate N° NG-5121BQ0521**

[a] **Cork/Rubber materials for tightness joints used in gas appliances, valves, devices and gas installation.**
[b] **Gaskets and Seals, requirements cover test procedures and performance criteria for the evaluation of nonmetallic gasket and seal materials for specific end products.**
[c] **Rubber/Cork and rubber/cork synthetic fibre based gasket materials for use with gas valves, gas appliances and gas pipe work.**
[d] **Japanese gas appliance inspection association.**
[e] **Domestic Cooking Appliances Burning Gas, Durability of Sealing Materials.**

Characteristics and advantages

- Tolerance to extreme surface finishing conditions such as “AS CAST”.
- Conformable to flanges with higher “out-of-flatness” values, such as stamped steel and plastic covers.
- Lower bolt torques possible.
- Fewer fasteners in the system.
- Smaller or Lower grade fasteners.
- Allows for components with less mass and more distortion.
- Good chemical compatibility with burning gases.
- Low gas permeability.
- Very low side-flow improving crush-out resistance.
- Easy to fabricate.



Cork and rubber gaskets were developed for application in engines, given their capacity to adapt perfectly to the material to be sealed.

For recommended service conditions regarding gasket average loading and continuous working temperature, please refer to our **Material Data Sheets**.

Check our “**Q-Tool**” sealing software on our website for a quick and comprehensive calculation of your joint system, or contact us for additional help to define our best material solution for your sealing requirement.

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