TECHNICAL DATA SHEET
ASSEMBLE

OXYSEAL 051
Oxygen-curing hardening paste

MADE IN FRANCE



ADVANTAGES

- Approved for OXYGEN GAS and LIQUID sealing.
- Excellent stability over time, except when immersed in water.
- Removable with standard tools, noting that resistance depends on the diameter and metals used.

AIR LIQUIDE :
Rapport d'essais N°2001/JPS 279 du 05/11/2001.
BOC British Oxygen Company.
Aerospatiale PQ 816.00.

DEFINITION
OXYSEAL is an inorganic hardening paste used as a sealant for joint faces and threaded assemblies, specifically developed for contact with oxygen in liquid or vapor phases. Also recommended for high temperatures.

DIRECTION FOR USE
Ready to use. Application temperature: +15 to +30°C.

1. Apply the adhesive evenly to clean and dry surfaces.
2. For threaded seals, it is imperative to cover the entire circumference on at least 3 to 5 threads.
3. Depending on the thread pitch, spread the product so it penetrates well into all threads.
4. Assemble immediately before the product dries.
5. Wait 24 hours before applying pressure, as the product dries slowly.
6. For significant pressures, it is advisable to wait 3 days.

CHARACTERISTICS

Appearance:	White paste
Recommended maximum gap:	0.15 mm
Operating temperature:	-250 to 1100°C
Maximum pressure resistance:	200 bars **

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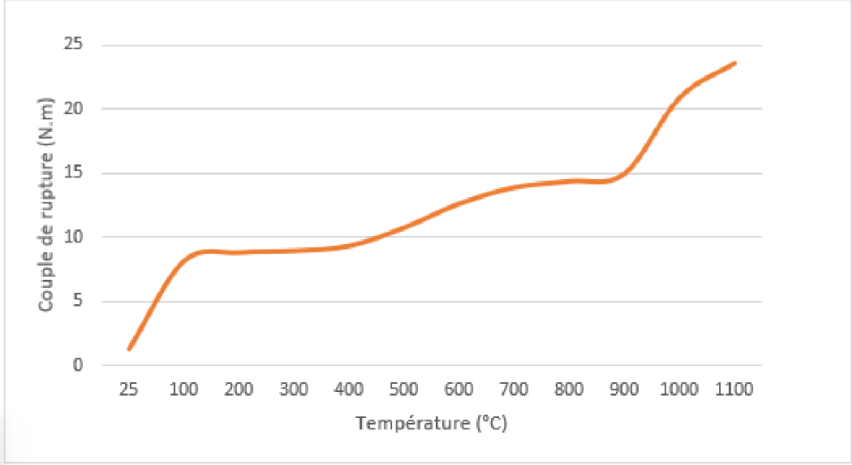
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** Preliminary tests for validating pressure/temperature resistance are advised, as the nature of the metals, the diameter of the fittings, and the thread pitches can influence the results.

- **Breakaway on M10 steel bolts:** Standard NFT 76-124
- Resistance increases with exposure temperature (see curve below).



APPLICATION

Flat and threaded sealing: Carbon dioxide, oxygen, acetylene, nitrogen.
Sealing of oils and common solvents.
Industries, hospitals, pressurized cylinders…
Threadlocking of nuts when exposure temperatures are high, between +200 and +1100°C

PACKAGING

Tube 100ml ref. 1051T3

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