



BOSS™ Universal

MULTI-PURPOSE THREAD SEALANT

DESCRIPTION

BOSS™ Universal multi-purpose jointing compound is a soft-setting, nonpetroleum-based thread sealant for use with potable water, liquids, and gases where immediate pressurisation is desirable or necessary.

BOSS™ Universal multi-purpose jointing compound is a water-resistant, non-staining, low-odour sealant which includes Aramid fibre PTFE and unique natural fillers for improved sealing and tighter joint make-up due to increased thread lubrication.

BOSS™ Universal multi-purpose jointing compound will provide an excellent seal for correctly made-up taper thread connections to 50mm (2") diameter.

Service Range -18°C to 120°C after application

BOSS™ Universal multi-purpose jointing compound is non-toxic, environmentally safe and contains no lead or metals.

BOSS™ Universal is easily applied and is brushable.

ADVANTAGES

- Soft Setting
- Allows immediate pressurisation**
- Not petroleum based
- Contains Aramid Fibre, PTFE & natural fillers
- Water resistant
- WRAS approved for cold potable water (23°C MAX)
- Approved for gas installation
- Low odor
- Brushable to 0°F (-18°C)

**Certain applications may require a delay for optimum results.

APPLICATIONS

BOSS™ Universal may be used on s steel, aluminum, brass, copper, iron, polyethylene, reinforced fibreglass, and PVC. Do not use **BOSS™ Universal** on ABS and CPVC.

BOSS™ Universal is suitable for threaded pipe carrying:

Air	Inert Gases
Butane/Propane gas	Water
Hydraulic Oil	Natural Gas
Dilute acid/alkali	Refrigerants
Brine	Steam at low pressure
CO ₂ gas	Water/glycol mix

PRODUCT CHARACTERISTICS

Fluid Type	Vegetable Oil
Color Appearance	Beige Semi-Fluid
Specific Gravity	1.32
Oil Separation	Not Applicable
WT. % LOSS @ 212°F (100°C)	
Flash Point (Seta Closed Cup)	235°F (113°C)
Non-volatile Content	>85%
Viscosity, Brookfield (ASTM D-2196)	
77°F (25°C)	120,000-180,000 cPs
Copper Strip Corrosion (ASTM D-4048)	1A

APPROVALS

British Standard 6920: part 1 and 2 2.1:2014
BSEN 751-2:1997. Sealing materials for metallic threaded joints in contact with 1st 2nd and 3rd family gases and hot water.
WRAS listed for cold potable water (23°C MAX)

Note.

WRAS regulations do not allow use of hemp fibers with **BOSS™ Universal**

Application Guidelines

- Make sure the fittings are round and not oval.
Do not re-use fittings as they are often deformed and may not seal effectively.
1. For best results, clean all surfaces (external and internal) with a cleaning solvent and allow to dry.
 2. Apply a 360° bead of the product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids.
 3. Once **BOSS™ Universal** is applied, allow a few minutes for solvent to flash off before assembling.
 4. Using compliant practices, assemble and wrench tighten fittings in accordance with manufacturer's recommendations.
 5. Properly tightened fittings will seal instantly to moderate pressures.
- For maximum pressure resistance and solvent resistance, allow the product to a cure a minimum of 24 hours.