

Technical Datasheet AT8.015

Description

BOSS AT8.015 is a wicking adhesive and sealant, with an ultra fast cure system. The low viscosity and capillary action of the BOSS AT8.015 allows it to seek voids between assembled metal components, and then cure anaerobically.

Typical Application

BOSS AT8.015, is designed for post assembly use on all types of metal fastener, eliminating the need to disassemble prior to application. BOSS AT8.015 can also be used as a weld or porosity sealant, which seeks out casting irregularities (hairline cracks). A unique capillary action allows the sealant to penetrate the smallest pores or cracks to provide a positive seal. The product is fluorescent under UV lamps for inspection purposes

Instructions For Use

1. For best results clean all surfaces with a cleaning solvent and allow to dry.
2. If the metal is inactive or the gap >0.2mm, apply BOSS Primer XC activator to increase cure speed.
3. Apply the adhesive to both the inside of the collar, and the leading edge of the pin, and assemble parts with a rotational motion, ensuring a high surface coverage.
4. Allow parts to cure to handling strength.

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Green
Viscosity @ 25°C	
Brookfield Sp 2 @ 20rpm	300 - 900 cps

Performance of Cured Material

Fixture Time Stainless Steel	<60 min @ 22°C
Fixture Time with A249	<10 Minutes
Full Cure Time	24 hours @ 20°C
Gap Fill (Diametrical)	Up to 0.25mm
Strength Break Loose M10	20-30 Nm
Strength Prevailling M10	20-30 Nm
Temperature Range	-50°C to 150°C

Packaging

BOSS AT8.015, is available in 10gr, 50gr, 250gr LDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

BOSS AT8.015, should be stored in a cool dry area, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture