

BOSS 245 Anaerobic Hydraulic/Pneumatic Sealant

Esco Products searched for a thread sealant to recommend with our Visual Oil Analysis Product Line. After extensive searching and testing, we concluded that Boss 245 is the ideal thread sealant for our products. Although there are many thread sealants suitable for use, we are confident that BOSS 245 is superior.

Description

BOSS 245 Anaerobic Hydraulic/Pneumatic Sealant is a single component anaerobic thread locking adhesive. It is a purple liquid which cures between close fitting metal parts in the absence of air. The fast cure time, strong bond and easy application makes the BOSS 245 ideal for use with Esco's Acrylic Visual Oil Analysis Product Line.

Using with Esco's product line:

Esco Oil Sight Glass – Apply to threads on the drain valve and nipple supplied with the Oil Sight Glass. Screw in drain valve and nipple hand tight and allow 20 minutes to set (24 hours to fully cure).

Esco 3-D BullsEye – (Not necessary for Metric thread 3-D BullsEye). Apply BOSS 245 on the threaded ends of the 3-D BullsEye (or brass nipples supplied with smaller sizes). Install the 3-D BullsEye into desired machine and allow 20 minutes to set. (24 hours to fully cure)

Typical Properties

MONOMER (Liquid)

- Base Compound – Dimethacrylate Ester
- Appearance – Purple Liquid
- Flash point (TCC) - > 200 F
- Shelf Life @ 40 F – 1 Year unopened

Polymer (Cured)

- Appearance – Purple Solid
- Locking Strength – Low
- Service Temperature Range – -75 F to 300 F
- Full Cure Time – 24 Hours
- Sheer Strength – 600 PSI

How to Use

- Clean surfaces before use.
- Apply enough product to fill all engaged threads
- Screw threaded connection together
- Allow 15 to 45 minutes to create adequate bond. Maximum strength cure is attained in 24 hours.

Setting Time

Substrate	Set Time	Cure Time
Steel	15 Minutes	24 hours
Brass	20 Minutes	24 hours
Zn Dichromate	30 Minutes	24 hours
Stainless Steel	40 Minutes	24 hours

Benefits

- Quick Cure time
- Easy to apply
- Strength of bond prevents loosening due to vibration
- Long shelf life (1 year unopened)
- Large operating temperature (-75F to 300F)
- Bond easily broken when desired

Chemical Resistance

(Sheer Strength on steel after 500 hours)

Solvent	% Strength Retained
Motor Oil	100
Unleaded Gasoline	95
Triclorethane	90
Brake Fluid	95
Ethanol	95
Acetone	95
Water/Glycol Mix	80