



INSTALLATION MANUAL

INSIGNIA™ HYDROPHILIC END SEAL

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INSTALLATION MANUAL FOR INSIGNIA™ HYDROPHILIC END SEAL

This document describes the procedure for installing an Insignia™ End Seal in a pipe before the installation of an ASTM F1216 compliant CIPP liner and is meant to be used in conjunction with Insignia™ Hydrophilic End Seal Installation Specification.

The Insignia™ End Seal Kit contains the following materials:

1. Insignia™ Hydrophilic End Seal (Fig. 1)
2. Metal Retaining Ring with Adhesive Tape (Fig. 2)



Fig. 1

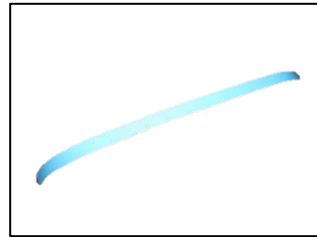


Fig. 2

For the installation of an Insignia™ End Seal, the procedure below must be followed:

1. The interior pipe surface is prepared by thoroughly cleaning it using a high pressure water jet
2. The blue backing of the adhesive tape on the Insignia™ End Seal Retaining Ring is peeled off
3. The Metal Retaining Ring is carefully placed around the interior of the End Seal such that the adhesive side of the clip adheres to the inside of the seal (Fig. 3 & 4)



Fig. 3



Fig. 4

4. The Insignia™ End Seal is then inserted into the pipe such that the Metal Retaining Ring is on the leading edge of the seal. (Fig. 5) **Note:** It is very important that the Insignia™ End Seal be installed in such a way that the Metal Retaining Ring is positioned on the end of the seal through which the CIPP will be inverted (Fig. 6)



Fig. 5



Fig. 6

**Direction of Liner
Installation**

5. Once the CIPP Liner has been inverted through the pipe, the Insignia™ End Seal gets embedded between the lining and the host pipe.

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