

WATERSTOP-RX INSTALLATION IN COLD WEATHER CONDITIONS

Introduction

CETSEAL, single-component polyether adhesive, is used to secure Waterstop-RX to properly prepared building material substrates which include concrete, masonry, and most metals. All substrates should be dry and clean. CETSEAL is used to install Waterstop-RX in a wide temperature range, typically -4 °C (25 °F) to 71 °C (160 °F), but since it is a moisture cure polyether adhesive—the minimum application temperature of CETSEAL is -4 °C (25 °F)—may be limited in securing Waterstop-RX in sub-freezing weather, especially in damp or moist conditions.

Therefore, when installing Waterstop-RX with CETSEAL in sub-freezing weather conditions (below 0 °C (32 °F)) verify that the CETSEAL is properly securing the Waterstop-RX to the substrate. For verification, allow 2-4 hours for CETSEAL to form an initial cure and then pull on the Waterstop-RX to confirm that the adhesive has secured the waterstop into position. If the waterstop strip easily releases from the adhesive the following alternate installation method may be required if sub-freezing weather conditions persist.

Alternate Method

For sub-freezing weather conditions, Waterstop-RX may be installed using CETCO's REVOFIX. REVOFIX is a semi-rigid formed metal mesh placed over the Waterstop-RX strip and secured into position with washer-head mechanical fasteners spaced maximum 300 mm (12") on center along the entire length of waterstop. The REVOFIX should be overlapped and mechanically fastened through the overlapped REVOFIX ends. Use of REVOFIX still requires that the substrate be clean.

This alternate REVOFIX installation method can also be used to install Waterstop-RX on a concrete substrate with a thin film of water over it where CETSEAL cannot create a bond with the substrate to affix the Waterstop-RX. In such conditions with water present on the substrate, the Waterstop-RX should be encapsulated in concrete quickly after being installed to avoid excessive hydration prior to the concrete placement. If Waterstop-RX prehydrates, consult CETCO guidelines for assessment of Waterstop-RX prior to pouring concrete.

North America: +1 847.851.1800 | +1 800.527.9948 | www.cetco.com

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