CETCO

LANCE Construction Supplies, Inc.
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AKWASTOP®

Hydrophilic Rubber Concrete Joint Waterstop

DESCRIPTION

AKWASTOP® is a hydrophilic rubber waterstop that stops water infiltration through cast-in-place concrete construction joints subjected to continuous or intermittent hydrostatic pressure. AKWASTOP effectively stops moisture infiltration by expanding upon contact with water to form a positive seal against the concrete. AKWASTOP has excellent chemical resistance to hydrocarbons, salts, and many organic acids and bases.

APPLICATIONS

Applications include both vertical and horizontal cast-in-place concrete joints where limited or no movement is expected. AKWASTOP is ideal for ne to existing concrete construction, and around through-wall penetrations, such as plumbing and utility pipes. AKWASTOP works in both continuous hydrostatic and intermittent hydrostatic conditions.

AKWASTOP is designed for reinforced structural concrete 8” thick or greater with a minimum of 3000 psi compressive strength. AKWASTOP requires a minimum 3” of concrete coverage.

INSTALLATION

Adhesive: Apply a bead of AS-100 ADHESIVE along the dry substrate where AKWASTOP will be installed. Assure proper 3” (75mm) concrete coverage will be maintained.
Waterstop Placement: Firmly press the entire length of AKWASTOP into the wet adhesive immediately after applying AS-100. Do not allow adhesive to skin over or cure.

PRODUCT SIZE AND PACKAGING
AKWASTOP is supplied in 3/4” x 3/8” x 33’ rolls.
AKWASTOP is packaged 197 linear ft. per carton
AS-100 ADHESIVE is supplied in 10.5 oz. cartridges.
AS-100 covers approximately 33’ per cartridge

TABLE 1
CHEMICAL RESISTANCE

AKWASTOP test samples were stored in 500 ml of each of the test liquids listed below for a period of 42 days at room temperature. The degree of swelling, discoloration, and mechanical stability were then

TEST LIQUID	SWELL	RESISTANCE
Tap Water Tap Water 5% Salt Tap Water 20% Salt	300% 125% 12%	Resistant Resistant Resistant
Unleaded Gasoline, 100%	5%	Resistant
Diesel Fuel, 100%	0%	Resistant
Heating Oil, 100%	0%	Resistant
Jet Fuel, 100%	0%	Resistant
Ethylene Glycol, 100%	50%	Resistant
Toluene, 100% (aromatic solvent)	21%	Resistant
Xylene, 100% (aromatic solvent)	20%	Resistant
Methanol, 50% (alcohol)	220%	Resistant
2-Propanol, 50% (alcohol)	250%	Resistant
N-Methylpyrrolidone, 100% (nitrogen containing solvent)	415%	Non-Resistant
Ethyl Acetate, 100% (aliphatic ester)	35%	Resistant
Methylisobutylketone, 100% (aliphatic ketone)	13%	Resistant
Formaldehyde, 36% (aldehyde)	270%	Resistant
Acetic Acid, 10% (organic acid)	205%	Resistant
Hydrochloric Acid, 5%	20%	Resistant
Sulphuric Acid, 20%	140%	Resistant
Sodium Hydroxide, 2% Sodium Hydroxide, 20%	180% 6%	Resistant Resistant