

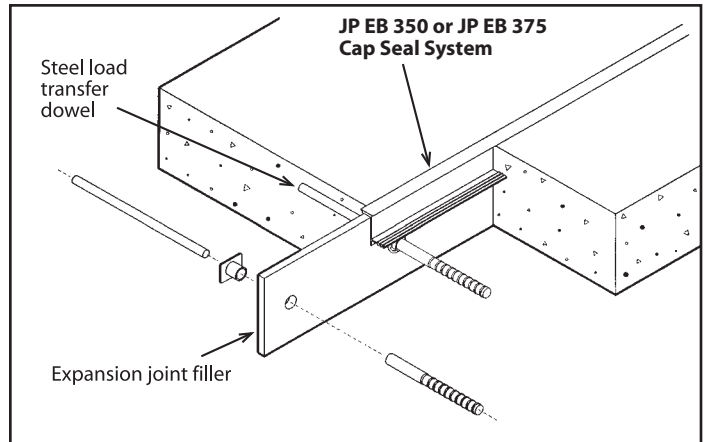
# Waterstop/Expansion Board Cap Seal

— *Integrated Chemical-Resistant TPE-R Waterstop/Joint Sealant System*

**Waterstop/Expansion Board Cap Seal System is a one-step complete concrete joint system. The system features an integrated waterstop, joint seal and load transfer unit to create a fluid-tight contraction/expansion joint in concrete.**

## Chemical Resistant Performance

Like all Earth Shield® Chemical Resistant Waterstops, EB Cap Seal System is manufactured from a proprietary blend of thermoplastic elastomers (TPE-R), which give the product unprecedented resistance to a wide range of oils, solvents, and aggressive chemicals. Alcohol, ketones, glycols, esters, and aqueous solutions of acids, salts and bases have little effect on these waterstops.



- **EPA compliant**
- **Assures proper waterstop alignment**
- **Eliminates caulking and joint sealants**
- **Use with any type of expansion board**
- **Easy assembly**
- **Resistant to most chemicals and hydrocarbons**
- **Heat weldable with standard waterstop splicing iron**
- **Eliminates split formwork**
- **Cost effective**

## EB Cap Seal System Typical Physical Properties

Physical Properties	Test Method	Result
Tensile Strength	ASTM D-412	2,300 psi
Ultimate Elongation	ASTM D-412	530 %
100 % Modulus	ASTM D-412	1,000 psi
Shore A Hardness	ASTM D-2240	85±5
Brittle Point	ASTM D-746	-70°F
Ozone Resistance	ASTM D-1171	450 pphm

EB Cap Seal System demonstrates outstanding performance against weathering exposure. The material was tested for four (4) years in direct outdoor exposure. The most commonly used harsh-aging sites in North America were used for gauging durability: Phoenix, AZ and Homestead, FL. The material has also been tested in a weatherometer (an accelerated aging method) for 5,000 hours.

Physical Properties	Test Method	Arizona	Florida	Weatherometer
Shore A Hardness (units change)	ASTM D-2240	7	6	7
Tensile Strength (% retention)	ASTM D-412	96	96	87
Ultimate Elongation (% retention)	ASTM D-412	99	98	84

## Field Performance

EB Cap Seal System has been installed in numerous chemical plants throughout the world. The installed product has been subjected to on-going job site work such as concrete trucks placing adjacent work, heavy equipment traffic and daily construction traffic.

## Prefabricated Modules and Shop Made Fittings

Earth Shield can prefabricate all waterstop directional changes in our factory, leaving only straight butt welding for the contractor in the field. Shop Made Fittings can be produced to order at a cost savings to the contractor, while ensuring the owner gets a quality, fluid-tight waterstop product.



## Earth Shield Chemical Resistant Waterstop

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