PERMASAFE POLE

SIMULATED ACCELERATED TESTING AS IT RELATES TO THE PROTECTION OF INTERIOR/EXTERIOR OF CENTRIFUGALLY CAST DUCTILE IRON POLES IN AGGRESSIVE ATMOSPHERES, LIQUIDS AND SOILS

The following tests were run on the exterior of centrifugally cast ductile iron coupons:

TEST	RESULTS
20% Sulfuric Acid Immersion	After **1 year** exposure No effect when rated using ASTM D-714.
25% Sodium Hydroxide Immersion	After **1 year** exposure No effect when rated using ASTM D-714.
5% Sodium Chloride Solution (Salt Water) Immersion Unscribed panel	After **1 year** exposure No effect when rated using ASTM D-714.
5% Sodium Chloride Solution (Salt Water) Immersion Panel Scribed to Metal	After **1 year** exposure None to very slight under-film corrosion at the scribe. No effect when rated using ASTM D-714.
Distilled Water Immersion	After **1 year**, no effect when rated using ASTM D-714.
Salt Fog (5% Sodium Chloride Solution Mist at 95°F) Scribed Panel	After **1 year** exposure None to very slight under-film corrosion at the scribe. No effect when rated using ASTM D-714.
UNDERCUTTING RESISTANCE	After **1 year** duration
Alternate wet/dry immersion (5%NaCl,flowing,aerated,120°F, wet 1 hour followed by dry 1 hour- 12 cycles/day) Duration-1 year	Passed – No undercutting at exposed edges
Impact Resistance for Pipe Line Coatings ASTM G-14	Passed - 140 in./lbs.