Everlast Concrete Technologies – (ECT) offers two-part concrete protection:

(1) Cement Hydration Catalyst (CHC) super activates water molecules to hydrate more Portland cement in the mix, producing MORE cementitious paste in the mix, giving a DENSER concrete;

(2) **Cure and Penetrating Sealer (CPS)** clogs all the pours by penetrating the pores and forming a jell in the pours. CPS works on both old or new concrete to enhance impenetrability to harmful elements.

ECT CHC and CPS products produce high quality concrete without problems, eliminating wasted time and money spent on repairs.

ECT products, when used in any concrete project, significantly reduce the overall **LIFE-CYCLE-MANAGEMENT COST** the project and GIVES THE BEST **RETURN ON INVESTMENT (R.O.I.).**

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ECT-CPS APPLICATION

EVERLAST CONCRETE
TECHNOLOGIES
BEST PERMANENT CONCRETE PROTECTION

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MADE IN THE U.S.A. WITH PRIDE

Everlast Concrete Technologies

BEST PERMANENT CONCRETE PROTECTION FOR DURABILITY

WANT TO REDUCE YOUR OVERALL COST OF CONCRETE INFRASTRUCTURE?

PREVENT:

- FREEZ—THAW DETRIORATION
- ALKALI SILIKA REACTION (ASR)
- SPALLING
- DUSTING
- MOISTURE MIGRATION
- ACIDS & CHEMICAL DETRIORATION
- REBAR CORROSION
- COOLING CRACKS
- JOINT DAMAGE

THE EASY CHOICE

Concrete is durable, economical and plentiful, and Everlast Concrete Technologies (ECT) products make it more durable, thus significantly **reducing the overall life-cycle-cost** of any concrete project.

Our Two Flagship Products to mitigate most of the concrete problems:

CEMENT HYDRATION CATALYST (CHC)

CHC is added to the mix water before Portland cement. CHC supercharges the mix water, ensuring better hydration of the cement and increasing the cementitious paste in the mix. You get a higher quality concrete for your money. CHC improves the concrete's microstructure; the mix doesn't segregate and has smaller air voids for greater impermeability. And the mix is so consistent; your first load will be the same as your last. CHC is used at the rate of 10 ounces per 100 pounds of Port- land cement, so it's highly affordable.

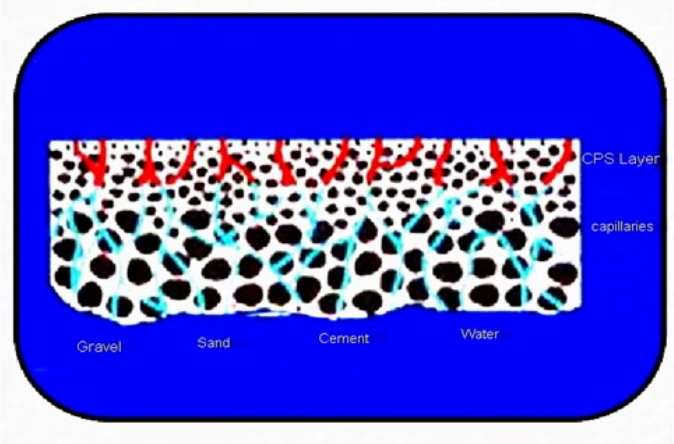
EVERLAST CONCRETE TECHNOLOGIES
BEST PERMANENT CONCRETE PROTECTION

CURE & PENETRATING SEALER (CPS)

CPS is more than a sealer - it penetrates the concrete 1 or more inches, depending on porosity. CPS increases the density of concrete and waterproofs it from the inside. However, CPS stays below the surface and does not affect surface properties. CPS can be used as a **cure & seal** on new concrete, CPS locks all the mix water inside the concrete to help maximize hydration process.
CPS can be used on existing concrete as a protective seal. CPS can prevent further deterioration as long as the existing concrete in good structural condition.

HOW DOES CPS WORK?

When concrete hardens, the bleed water rises, forming a curvy capillary system through which water and air passes through. CPS soaks in to these capillaries and reacts with the alkali left over from the hydration process, forming a gel-like substance which forms a barrier that effectively seals the concrete. The jell stays inside the concrete for the rest of the life of the concrete to provide life long protection from water, salts, acids, petro-chemicals and many other corrosive elements.



TESTING

CHC (alone and as cured with CPS) meets or exceeds the following criteria for High Performance Concrete and was tested according to the standards below:

STRENGTH CRITERIA

Compressive Strength ASTM C39
AASHTO T22
Flexural Strength ASTM C78
Splitting Tensile Strength ASTM C496
Modulus of Elasticity ASTM C469
Shrinkage ASTM C157
Creep ASTM C512

DURABILITY CRITERIA

Freeze Thaw ASTM C666, AASHTO T161
Scaling ASTM C672
Abrasion ASTM C944
Chloride Permeability ASTM C114, C1202, AASHTO T277
Sulfate Attack ASTM C1012
Petrographic Examination ASTM C457, C856

BENEFITS

PERFORMANCE

- **Ease of placement**
- **Greater impermeability**
- **Prolonged Durability**
- **Early design strength**
- **Toughness**
- **Volume stability**
- **Longer life in severe environments**

COST

- **Faster Job time**
- **Less material**
- **Fewer seams**
- **Reduced maintenance**