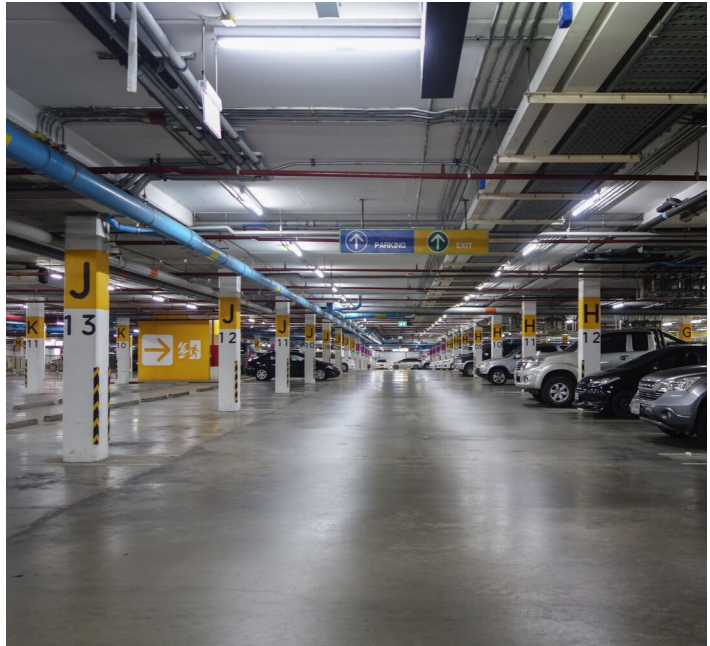


# CHLORIDE RESISTANCE FOR NEW CONCRETE

How concrete can be strengthened against corrosive salt damage.



## CHLORIDE PENETRATION INTO THE SUBSTRATE SURFACE

Protec III: Chem RX works as a protective internal compound that densifies and strengthens the surface, Protecting the concrete from surface popping and spalling. Since Protec III: Chem RX is an internal forming barrier the sealer cannot be compromised. Most other sealers are membrane forming which while being exposed to wear and tear will be removed from the surface, Leaving the concrete unprotected and compromised to chloride infiltration.

We recommend 2 coats of Protec III: Chem RX at approx 400 sq.ft per gallon for chloride protection.

Protec III: Chem RX can be worked into the concrete surface during placing and finishing operations for a deeper more internal penetration of the concrete substrate. We recommend a coat at approx 400 sq/ft per gallon with a lighter coat next day at approx 600 sq/ft per gallon.

ASTM C418 – 67% increase in hardness of the concrete wear surface.

Curing Aid – 92 % greater moisture retention during critical 24 hour cure period. Decreases permeability of the concrete Restricts water migration through concrete.

Chloride Resistance ASTM 8117 - 57% decrease in Chloride permeability.