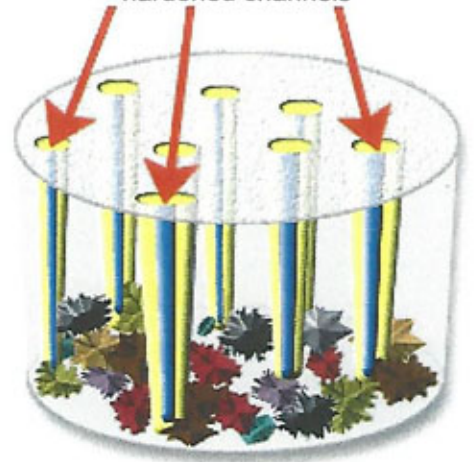


Free Lime & Contaminant Migration

Calcium Silicate Hydrate gel and Calcium Hydroxide are the two main products generated during the hydration process. The Calcium Silicate Hydrate gel is the primary "glue" that binds the mass together. The amount and quality of this gel determines the quality of the finished product.

In addition to the CSH, Calcium Hydroxide is produced, commonly known as "free lime", which migrates to the surface. The capillaries and bleed channels also retain this free lime along their inner walls hardening and creating permanent entry ways for future foreign materials.

The yellow color represents the free lime migration through the porous untreated mass. The blue represents the contaminants allowed through the hardened channels



How our sealer works for you

Free Lime Migration & Contaminants

chemically reacts with the free lime, calcium and any non-hydrated cement to form an additional cementitious property that is similar to the natural CSH gel produced in the hydration process.

makes a chemical fusion with the free lime/calcium and bonds the capillaries and voids.

The final result of these chemical bond reactions is a more dense, insoluble, chemical /stain resistant concrete mass while becoming a life time partner with the concrete matrix

fills in the capillaries and pores creating a fusion thereby blocking entry of any further destructive materials. This creates a more dense and stronger product

