

ADVANTAGES OF USING DENSIFIERS

ABRASION RESISTANCE: ASTM C 779

American Standard Testing Method C 779 showed an increase of abrasion (wear) resistance of from 32.7% to 45% depending upon brand and type of densifier used.

Curing:

94% Greater moisture retention during the initial critical 24 hour curing period as compared to untreated samples.

Hardening: ASTM C 39

40% to 45% increase in compressive strength at 7 days; 38% increase at 28 days over untreated samples. ASTM C 805 Schmidt hammers 13.3% increase in impact resistance.

Water Permeability:

Reduction of water permeability to 0.022cc per hour.

Weathering: ASTM G 23-81

Ultraviolet light and water spray exposure had no adverse effect.

Flexural Strength: ASTM C-78-94

Untreated Concrete 430 psi Treated 600 to 635 psi

Stain Resistance:

Stain resistance increased by 300% in some cases

Chloride Ingress:

91% reduction of salt penetration. For a sealer to meet "Concrete Sealers for Protection of Bridge Structures" standards it must reduce chloride content by at least 75%.

Bonding:

The use of densifiers does not inhibit the adhesion of epoxy coatings, carpet glues, tile grout and other adhesive that may be used to cover existing concrete slab. In fact Densifiers increase the bonding of all the above mentioned items.

Other advantages to using Densifiers:

Ease of Application

No VOC's totally green, environmentally safe product. Will not harm animals and is safe for use in food preparation facilities.

LONG TERM PROTECTION; No further application of product is needed for the life time of the slab.

COST: cost effective in comparison to Cure & Seal products.

Will not scratch or peel. Because the densifier becomes part of the concrete and does not remain on the surface there is no "sealer" to peel or wear off.