



Sealing in Strength, Building Trust.



CURE



CURE & SEALING



PENETRATING SEALER



DECORATIVE SEALER



ERNST MAKING SEALING SIMPLE

CONCRETEPRODUCTS@ERNSTCONCRETE.COM

937-848-6841

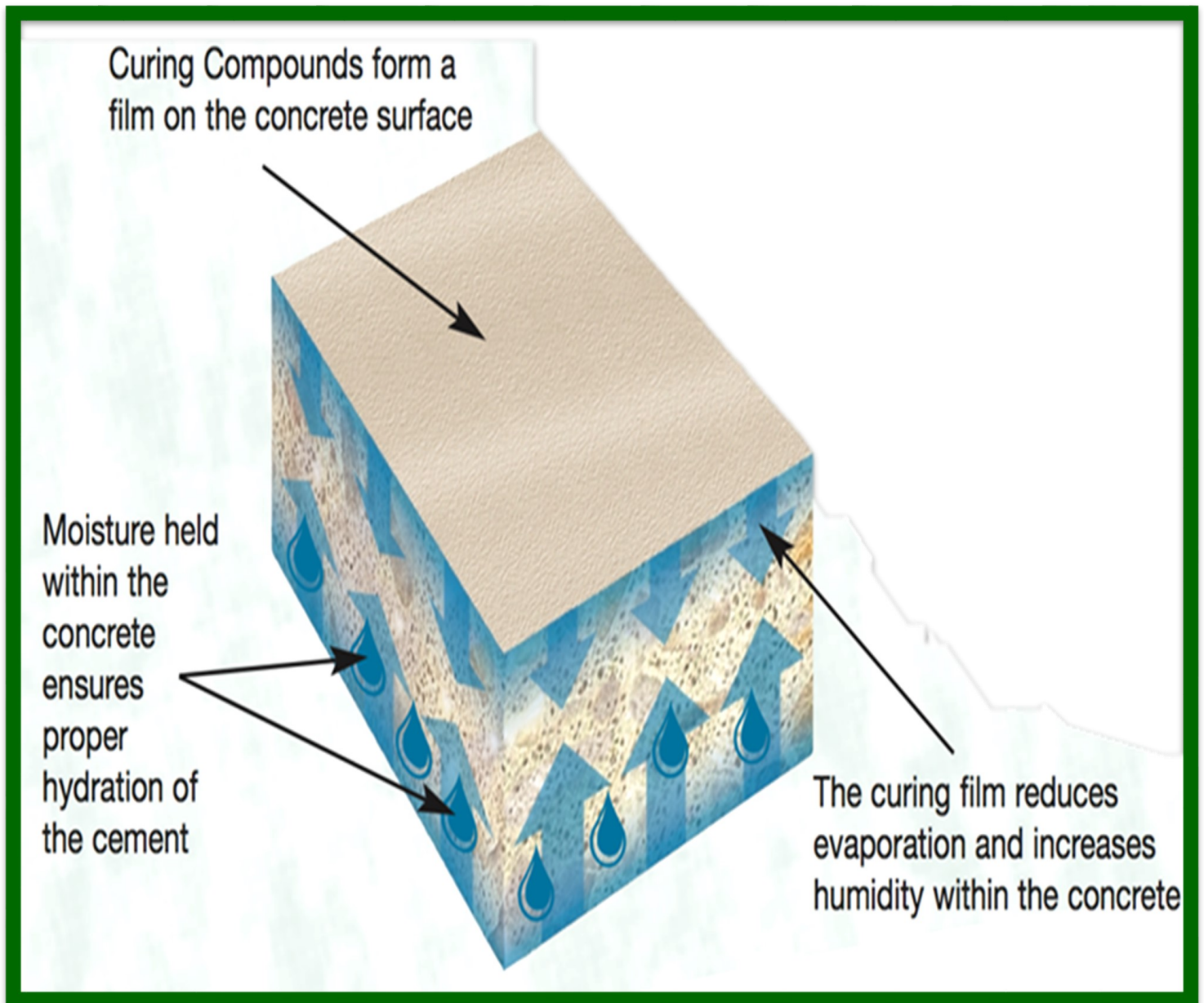
TABLE OF CONTENTS

PAGE	DESCRIPTION
3	WHAT IS A CURING COMPOUND
4	FACTS ABOUT CURING COMPOUNDS
5-6	CURING COMPOUNDS
7	WHAT IS CURE AND SEALING
8	FACTS ABOUT CURE AND SEALING
9	CURES/SEALS—DO'S & DON'TS
10	PHOTOS OF TYPICAL SEALER ISSUES
11-13	SOLVENT BASED CURE AND SEALS
14-15	WATER BASED CURE AND SEALS
16	WHAT IS A PENETRATING SEALER
17	FACTS ABOUT PENETRATING SEALER
18	PENETRATING SEALER LONGEVITY
19	WATER BASED PENETRATING SEALERS
20	SOLVENT BASED PENETRATING SEALERS
21	DECORATIVE CONCRETE SEALERS INFO
22-23	DECORATIVE SEALERS

CURING COMPOUND

PROPERLY CURED CONCRETE:

- **HAS HIGHER STRENGTH, ESPECIALLY ON THE SURFACE**
- **HAS BETTER SURFACE WEAR AND ABRASION RESISTANCE**
- **IS MORE DENSE AND FREEZE/THAW RESISTANT**



FACTS ABOUT CURING COMPOUNDS

CURING STANDARD ASTM 309 A

- . BASIC FILM COATING CURING STANDARD**
- . GOAL OF ANY CURE IS TO LET THE WATER OUT SLOW**
- . EXAMPLES OF 309 A CURES**
 - WHITE PIGMENTED 1625 /KUREZ W**

CURING STANDARD ASTM 309 A B

- . RESIN BASED CURING COMPOUND**
- . DISSIPATING CURING COMPOUND**
- . DISSIPATES AFTER APPLICATION FROM SUNLIGHT OR WEAR**
- . EXAMPLE OF 309 A B CURE**
 - WR1100 DISSIPATING CURE**

CURING COMPOUNDS



**KUREZ W CURING COMPOUND
COMES OUT WHITE & DRIES CLEAR
FOR **INTERIOR & EXTERIOR** CONCRETE
MEETS ASTM 309 A CURE STANDARD
WATER BASED PRODUCT
COVERS 300 SQ FT PER GALLON**

KUREZW 5 GAL



**WR1625 CURING COMPOUND
COMES OUT WHITE & DRIES WHITE
(Not recommended for residential)
MEETS ASTM 309A CURE STANDARD
WATER BASED PRODUCT
MEETS ODOT & INDOT STANDARDS
COVERS 300 SQ FT PER GALLON**

WR1625 5 GAL

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GO WITH GREEN

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CURING COMPOUNDS



WR1100 CURING COMPOUND

DISSIPATING CURE

MEETS ASTM 309 A B CURE STANDARD

WATER BASED PRODUCT

FOR INTERIOR & EXTERIOR CONCRETE

APPLY VERY LIGHT

IF OVER APPLIED, TURNS SLAB YELLOW

COVERS 400 SQ FT PER GALLON

WR1100 5 GAL



ULTRASIL DC9

CURE AND SILICATE DENSIFIER

HARD TROWEL FINISH APPLICATION

MEETS ASTM 309A

WATER BASED

APPLY RIGHT AFTER PLACEMENT & TROWEL IN

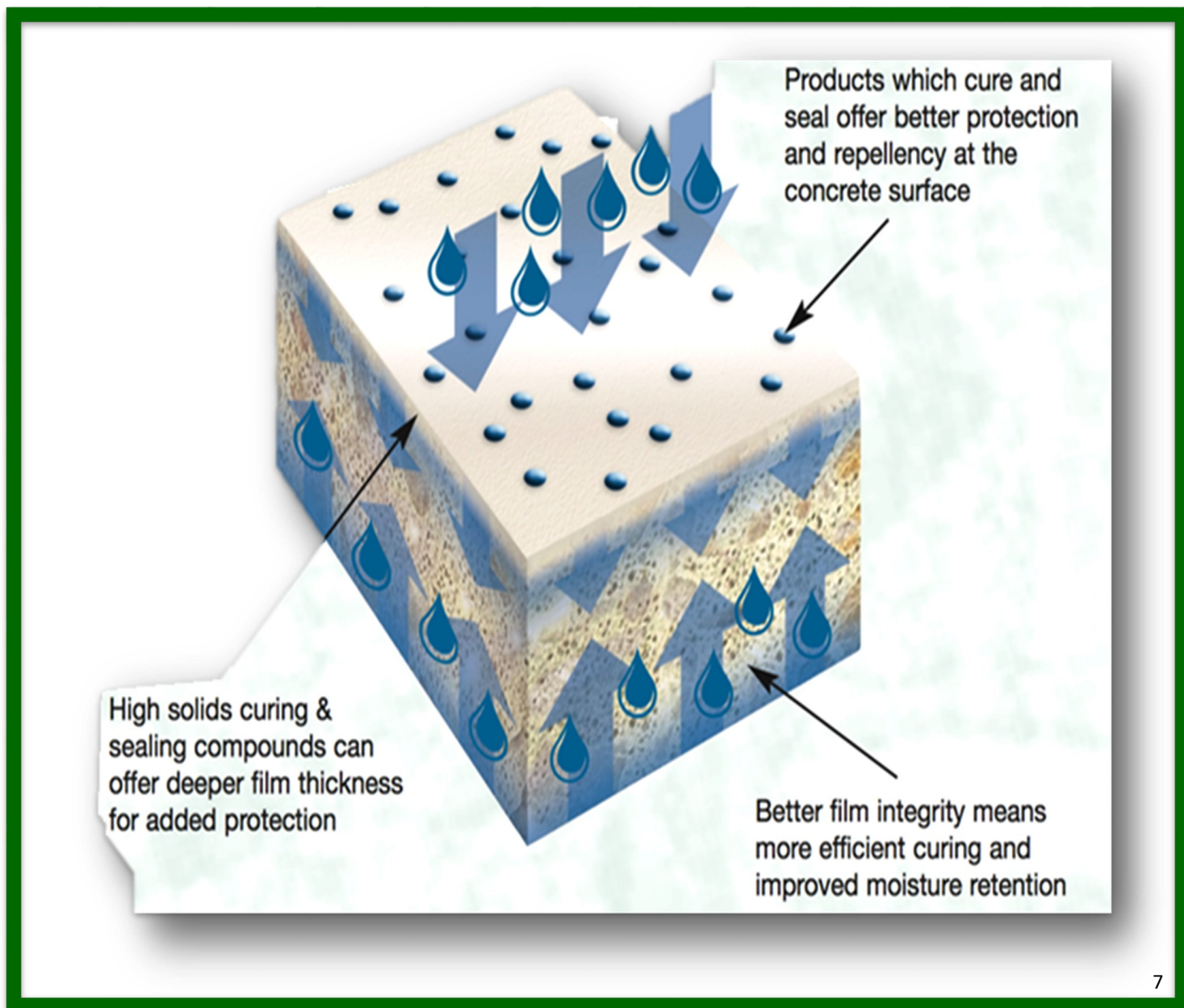
COVERS 300 TO 800 SQ FT PER GALLON

ULSILDC9 5 GAL

CURE & SEALING CONCRETE

CURE & SEALING

IS AN ADDITIONAL STEP OF APPLYING SOME TYPE OF PROTECTIVE FILM ON THE CONCRETE SURFACE TO PROTECT FROM MOISTURE AND SALTS



FACTS ABOUT CURE & SEALING

**CURE & SEALING STANDARD ASTM 1315 IS THE
ULTIMATE CURE & SEALING STANDARD (MINIMUM
OF 25% SOLIDS)**

- HIGHER THE PERCENT OF SOLIDS = BETTER THE SEALER &
BETTER THE PROTECTION**
- SEALERS CAN BE SOLVENT BASED OR WATER BASED**
- SEALERS CAN BE SURFACE MEMBRANE OR PENETRATING**
- SOLVENT BASED CURE & SEALERS HAVE AN ODOR SO FOR
OUTDOOR USE ONLY. WATER BASED CURE & SEALERS
HAVE LOW ODOR SO CAN BE USED INDOORS WITH SOME
CAUTION & PROPER VENTILATION.**

SHEENS = GLOSS/SEMI-GLOSS/SATIN

CURING AND SEALING DO'S & DON'TS

- Surface membrane sealers (solvent or water based) can be expected to last @ 2 to 3 years. Penetrating sealers can be expected to last @ 4 to 5 years.
- For easiest and best end results, use a concrete sprayer to apply sealer.
- Cure/seal application products need to be applied soon after finishing is complete.
- Steel can sprayers must be used for solvent based sealers. Plastic sprayers can be used with water based sealers.
- Keep sprayer pumped up to keep steady pressure. Use a clean quality sprayer tip that fans out spray.
- Don't over apply – too much sealer can discolor or yellow the surface – we recommend two light passes cross hatched.
- Don't use old sealers or mix old/new sealers and keep sprayer-can clean with routine cleaning with xylene. Make sure seal on sprayer-can holds tight.
- When sealing, try to avoid the hottest part of the day – target mornings and late afternoons
- Rolling – not recommended as can end up with blotchy and uneven over-application of sealer. Back rolling after spraying is ok.
- For winter concrete, you must use a solvent based sealer. Or better yet, order concrete with sealer already in the concrete mix – ask us how.



TYPICAL SEALER ISSUES

**WHEN APPLYING SEALERS REMEMBER 2 THINGS
LESS IS MORE / THIN IS IN**



**TIGER STRIPES - LOW PRESSURE OR
CLOGGED SPRAYER TIP**



**UNEVEN APPLICATION OF SEALER
WITH ROLLER**



OVER APPLICATION OF SEALER



UNEVEN SPRAY

SOLVENT BASED CURE & SEAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



**DIAMOND CLEAR 350
SOLVENT BASED CURE & SEAL
MEETS ASTM 309 A B CURE STANDARD
SOLIDS 15 PERCENT OF THE GOOD STUFF
SEMI GLOSS SHEEN
COVERS 300 SQ FT PER GALLON**

DC350 5 GAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



**SUPER DIAMOND CLEAR
SOLVENT BASED CURE AND SEAL
MEETS ASTM 309 A B CURE STANDARD
MEETS ASTM 1315 CURE/SEAL STANDARD
SOLIDS 25 PERCENT OF THE GOOD STUFF
HIGH GLOSS SHEEN
COVERS 300 SQ FT PER GALLON**

SDC350 5 GAL

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SOLVENT BASED CURE & SEAL

**CAN BE APPLIED TO
TROWEL OR BROOM FINISH**



EVERCLEAR 350
SOLVENT BASED CURE AND SEAL
MEETS ASTM 309 A B CURE STANDARD
MEETS ASTM 1315 CURE SEAL STANDARD
SOLIDS 25 PERCENT OF THE GOOD STUFF
SATIN SHEEN
COVERS 300 SQ FT PER GALLON

EVERCLR350 5 GAL

BROOM FINISH ONLY



PENCURE OTC
SOLVENT BASED CURE AND PENETRATING SEALER
MEETS ASTM 309 A B CURE STANDARD
10 PERCENT SILANE
SATIN SHEEN
COVERS 200 SQ FT PER GALLON

PENCURE 5 GAL

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SOLVENT BASED CURE & SEAL

KENTUCKY ONLY DIAMOND CLEAR

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



**DIAMOND CLEAR
SOLVENT BASED CURE AND SEAL
MEETS ASTM 309 A B CURE STANDARD
MEETS ASTM 1315 CURE SEAL STANDARD
SOLIDS 25 PERCENT OF THE GOOD STUFF
SEMI GLOSS SHEEN
COVERS 300 SQ FT PER GALLON**

KYDC5 5 GAL

KENTUCKY ONLY SUPER DIAMOND

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



**SUPER DIAMOND CLEAR
SOLVENT BASED CURE AND SEAL
MEETS ASTM 309 A B CURE STANDARD
MEETS ASTM 1315 CURE SEAL STANDARD
SOLIDS 25 PERCENT OF THE GOOD STUFF
HIGH GLOSS SHEEN
COVERS 300 SQ FT PER GALLON**

KYSDC5 5 GAL

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WATER BASED CURE & SEAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



**DIAMOND CLEAR VOX
WATER BASED CURE AND SEAL
MEETS ASTM 309 A B CURE STANDARD
SOLIDS 14 PERCENT OF THE GOOD STUFF
SATIN SHEEN
COVERS 300 SQ FT PER GALLON**

DCVOX 5 GAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



**SUPER DIAMOND CLEAR VOX
WATER BASED CURE AND SEAL
MEETS ASTM 309 A B CURE STANDARD
MEETS ASTM 1315 CURE SEAL STANDARD
SOLIDS 25 PERCENT OF THE GOOD STUFF
SEMI GLOSS SHEEN
COVERS 300 SQ FT PER GALLON**

SDC5VOX 5 GAL

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WATER BASED CURE & SEAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



EVERCLEAR VOX

WATER BASED CURE AND SEAL

MEETS ASTM 309 A B CURE STANDARD

MEETS ASTM 1315 CURE SEAL STANDARD

SOLIDS 25 PERCENT OF THE GOOD STUFF

SATIN SHEEN

COVERS 300 SQ FT PER GALLON

EVCLRVOX 5 GAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



AQUA-CURE VOX

WATER BASED CURE AND SEAL

MEETS ASTM 309 A B CURE STANDARD

SOLIDS 16 PERCENT OF THE GOOD STUFF

SEMI GLOSS SHEEN

COVERS 300 SQ FT PER GALLON

Great For Paving Jobs

AQUAVOX 5 GAL

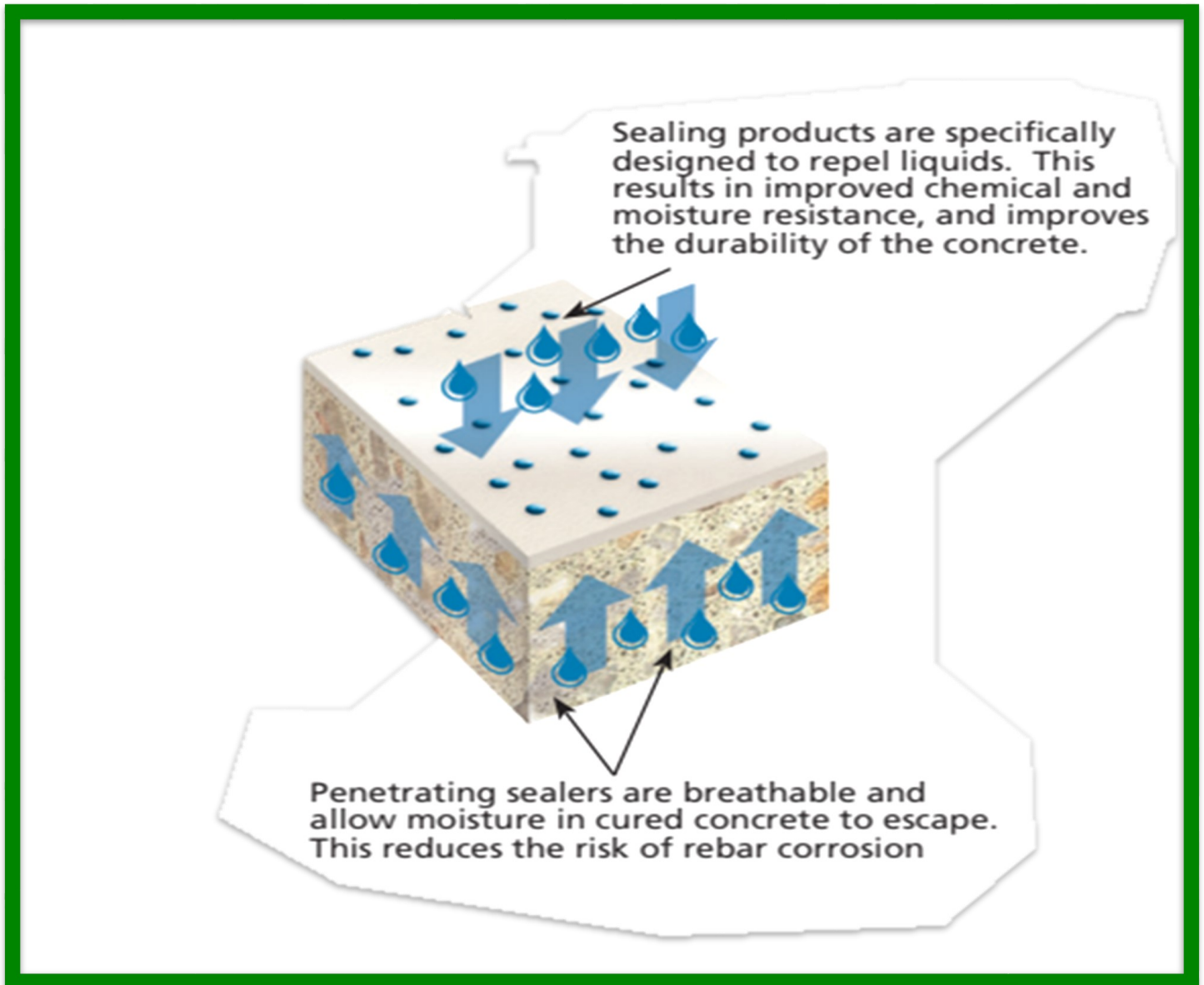
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PENETRATING SEALING CONCRETE

PENETRATING SEALERS PENETRATE INTO THE SURFACE AND BELOW OF THE CONCRETE TO PROVIDE BETTER AND LONGER LASTING PROTECTION WITHOUT CHANGING THE APPEARANCE OF THE CONCRETE



FACTS ABOUT PENETRATING SEALER

- PENETRATING SEALERS GET APPLIED 21 TO 30 DAYS AFTER CONCRETE PLACEMENT**
- PENETRATING SEALERS CAN BE SOLVENT BASED OR WATER BASED**
- PENETRATING SEALERS ARE GREAT FOR RESEALING OLDER CONCRETE**
- PENETRATING SEALERS SOAK INTO THE CONCRETE & FORM A WATER AND SALT BARRIER TO PROTECT FROM FREEZE/THAW CYCLES**

**PENETRATING
WATER BASED
SOLVENT BASED
SEALERS
LAST 4 TO 5 YEARS**

PENETRATING SEALERS DO NOT ALTER OR CHANGE CONCRETE COLOR



WATER BASED PENETRATING SEALERS

BROOM FINISH ONLY



BARACADE WB 244

WATER BASED PENETRATING SEALER

SOLIDS 20 PERCENT OF SILANE

GREAT FOR DRIVEWAYS & PATIOS

APPLY WITH PLASTIC GARDEN SPRAYER

COVERS 200 SQ FT PER GALLON

BARAWB244 5 GAL

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH**



PENTREAT 244 - 40 W/B

WATER BASED PENETRATING SEALER

SOLIDS 40 PERCENT OF SILANE

GREAT FOR DRIVEWAYS & PATIOS

APPLY WITH PLASTIC GARDEN SPRAYER

COVERS 200 SQ FT PER GALLON

PENTREAT40 5 GAL

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SOLVENT BASED PENETRATING SEALERS



BARACADE SILANE 100C
SOLVENT BASED PENETRATING SEALER
SOLIDS 100 PERCENT OF SILANE
TROWEL AND BROOM FINISH
COVERS 200 SQ FT PERGALLON

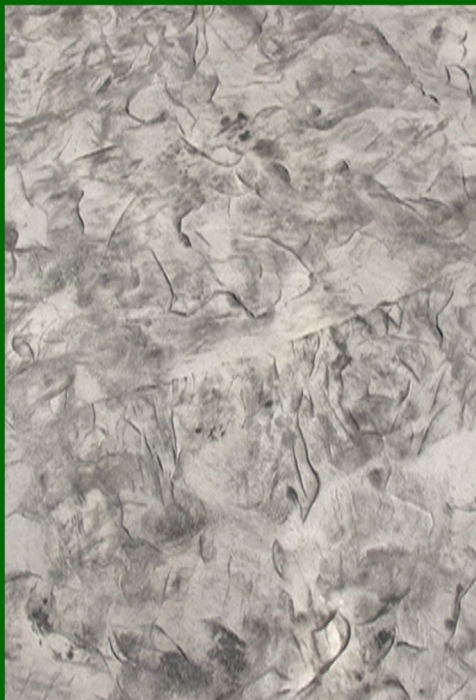
SILANE100 5 GAL



PENTREAT 244-40 OTC
PENETRATING SOLVENT SEALER
40 PERCENT OF SILANE
TROWEL FINISH AND BROOM FINISH
COVERS 300 SQ FT PER GALLON

SOLPEN40 5 GAL

DECORATIVE SEALERS



SATIN FINISH
(MUTED/NATURAL)



SEMI-GLOSS FINISH
(SOME SHINE)



GLOSS
(SHINY)

DECORATIVE SEALING

Premature sealing of decorative concrete will cause blushing. For best results, wait 7 DAYS to seal. For best color results, first do a light muriatic acid wash, neutralize, rinse, & let it dry. Then seal.

DECORATIVE SEALERS

**CAN BE APPLIED TO
HARD TROWEL OR BROOM FINISH
AND DECORATIVE CONCRETE**



GEM SEAL 1315

SOLVENT BASED CURE AND SEAL

MEETS ASTM 309 A B CURE STANDARD

MEETS ASTM 1315 CURE SEAL STANDARD

SOLIDS 25 PERCENT OF THE GOOD STUFF

SEMI GLOSS SHEEN

COVERS 300 SQ FT PER GALLON

GEMSEAL 5 GAL

DECORATIVE SEALER



GEM-GUARD SB

STAIN & OIL RESISTANCE

GREAT FOR SALT WATER POOLS

**PENETRATING SOLVENT SEALER SILANE /
SILOXANE**

WATER RESISTANT

ENHANCES AND PRESERVES NATURAL COLOR

BREATHABLE 15% SOLIDS SOLVENT BASED

COVERS 300 SQ FT PER GALLON

APPLY SEALER A FEW DAYS AFTER POURING

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DECORATIVE SEALERS



BROWNTONE CS 350

SOLVENT BASED CURE AND SEAL

MEETS ASTM 309 A B CURE STANDARD

MEETS ASTM 1315 CURE SEAL STANDARD

SOLIDS 25 PERCENT OF THE GOOD STUFF

SEMI GLOSS SHEEN

COVER 300 SQ FT GALLON

EXPOSED AGG SEALER



BRNTONE 5 GAL

DECORATIVE RESEALER

NOT A CURE/SEAL - DO NOT APPLY ON FRESH CONCRETE

**GREAT FOR RESEALING A DECORATIVE JOB OR YOU CAN
USE ON STONE/BRICK/HARDSCAPE TO BRING BACK OUT
NATURAL COLORS**

VERY DURABLE

GOES ON EASY <19 PERCENT SOLIDS>

NICE GLOSS SHEEN & NON -YELLOWING

WAIT AT LEAST 2 WEEKS TO APPLY ON NEW CONCRETE



POLYSEAL 5 GAL

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ERNST CONCRETE

RULE#1

**AT ERNST CONCRETE WE
WORK FOR YOU THE
CUSTOMER !**

RULE #2

**WE AT ERNST CONCRETE
WILL NOT FORGET**

RULE #1

THANK YOU