

Conpro Shield W20

Spray, roller or brush applied, penetrating high solids silane/siloxane water repellent.

WHERE TO USE
Horizontal concrete, concrete pavers, stone and brick walkways.

PERFORMANCE CHARACTERISTICS

Long term protection

- Passes ASTM E514.

Environmental protection

- Mitigates carbonation. Effective chloride ion screen. UV stable. Unaffected by microbiological activity.

Breathability

- Water vapor permeable.

Increases functional life

- Protects against freeze/thaw and spalling.

Increases durability

- Repels water from penetrating substrate. Most damage to concrete, masonry and stone is due to water entry.

VOC compliant

- Meets VOC emission standards for architectural coating.

Environmentally friendly

- Water based technology, low odor, easy handling and clean up.

SURFACE PREPARATION

- Substrate must be clean and free of loose debris, oils, paints, previously applied water repellents or any substance that can interfere with penetration.
- Substrate must be dry; moisture in substrate will cause material to darken when applied. This is not reversible.
- Inspect substrate to determine condition and for evidence of water entry.
- Repair concrete with *Conpro Set* or *Conpro One Shot*, rout and caulk cracks with backer rod and polyurethane sealant. Refer to SWRI Sealants – The Professionals' Guide.
- Material will not prevent water entry through cracks or voids in the substrate or other building components.

PRIMING

- Priming is not necessary.

MIXING

- Shake or stir until homogenous.

APPLICATION

- Always apply to a test area to ensure *Conpro Shield W20* will not affect the appearance of the surface due to reaction with previously applied materials or by drawing surface contaminants into the substrate.
- For best results apply with a low pressure sprayer using a fan tip.
- Work to natural break points in the structure.
- Always keep a wet edge.
- For horizontal applications begin at one edge and work backwards towards the opposite edge.
- Apply enough material to saturate the surface, but do not allow material to pond. Brush out ponded material before surrounding area dries.

CURING

- Protect from moisture and traffic for 8 hours. Material is fully cured in 14 days.

CLEAN UP

- Clean tools, equipment and adjacent areas with water immediately after application. Clean glass with glass cleaner before material can dry.

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COVERAGE/YIELD

- Coverage will vary depending upon porosity of substrate.
- Concrete – 75 - 125 ft.²/gal.
- Concrete pavers – 100 - 150 ft.²/gal.
- Brick – 100 - 150 ft.²/gal.

PRODUCT HANDLING

Packaging

- 5 and 55 gallon plastic containers.

Shelf Life

- 18 months in unopened containers.

Storage

- Protect from freezing.
- Transport and store in cool, clean, dry conditions in unopened containers.
- High temperature will reduce shelf life.

LIMITATIONS

- Ensure proper ventilation before beginning application.
- Use NIOSH approved respirator, safety glasses, gloves and complete skin cover during application.
- Do not apply if precipitation is forecast within 8 hours.
- Do not apply to damp surfaces.
- Do not apply unless substrate and ambient temperature are at least 40°F.
- Do not spray in high winds.
- Always apply a sample to determine suitability to substrate.
- Formulated to be a single application. Apply wet-on-wet only.

HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing fumes.
- Avoid contact with skin and eyes.
- Refer to Material Safety Data Sheet (MSDS) for additional information.

FIRST AID

- If swallowed contact a medical professional immediately. Do not induce vomiting or give anything by mouth. Only induce vomiting if advised to do so by a medical professional.
- In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional. For respiratory problems, remove person to fresh air. If respiratory difficulty persists, contact a medical professional.

DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

TECHNICAL DATA

Physical state and appearance		Liquid – slightly clouded
Base		Aqueous
pH		11.5
Percent solids by weight		20%
Volatile organic content – VOC	ASTM D3960	0 gms./liter
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Active ingredients		Siloxane based
Water vapor transmission	ASTM E96	100%
Water penetration and leakage	ASTM E514	100% reduction

FOR PROFESSIONAL USE ONLY

Conproco Corp. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. January 2005.

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conproco[®]
CORPORATION

17 PRODUCTION DRIVE, DOVER, NEW HAMPSHIRE 03820
TELEPHONE 800.258.3500 • FAX 603.743.5744 • WEB ADDRESS www.conproco.com