



packaging

Zycosil Multi Surface Sealer

1. Product Name

ASH GROVE PRO® Zycosil Multi Surface Sealer

2. Manufacturer

ASH GROVE PACKAGING GROUP
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3. Product Description

ASH GROVE PRO® Zycosil Multi Surface Sealer is a clear, water soluble, concentrated, penetrating sealer that provides superior water repellency on all types of new and existing cement based surfaces. Nano sized particles penetrate deeply and react with the substrate to provide superior water repellency and protection from structural and aesthetic damage such as efflorescence and freeze thaw.

BASIC USES:

- New and existing cement based surfaces
- Interior or exterior applications
- Vertical or horizontal
- Brick, block, stone, or tile
- Concrete
- Stucco, plaster
- Grout
- Aggregates
- Pavers and jointing sand

COMPOSITION & MATERIALS:

ASH GROVE PRO® Zycosil Multi Surface Sealer is an organo-silane based penetrating sealer in a concentrated form.

4. Advantages/Benefits

- Eco-friendly with no harmful solvents
- Penetrates deeply (up to 5 mm) and quickly
- Reacts chemically with substrate to provide molecular level water repellency
- UV and thermal stability (20+ years)
- Easy application by spray, brush, or roller
- Dries clear, does not alter substrate appearance
- Reduces mold and mildew growth
- Protects against surface contamination, staining, and efflorescence
- Excellent chemical resistance
- Protection from oils, acids, chemicals, greases, solvents, and salts
- Labor saving, no masking required if windows and metal trim are clean
- Exceeds ASTM standards

5. Preparation

The substrate must be dry, clean, sound and dimensionally stable. Pressure wash (1400 psi) all surfaces to be sealed. Shot blasting may be required on horizontal surfaces. All traces of dirt, efflorescence, mold, mildew, grease, paint, coatings or other surface contaminants must be removed. Repair all cracks greater than 1/32" (all caulking or sealants must form heavy skin prior to application). Concrete must be fully cured (28 days), tuck point must be cured for 3 days.

Ensure that all windows and metal trim have been cleaned. The sealer will not react with metal or glass, but will react with dirt making removal more difficult. Cover or pre-wet any vegetation to reduce chances of temporary browning (Zycosil is non-toxic). Cover or pre-wet asphalt surfaces to avoid asphalt residue from leeching out and staining adjacement surfaces.

6. Mixing Instructions

Use protective gloves and safety glasses. Always use cool, clean water and clean mixing tools. ASH GROVE PRO® Zycosil Multi Surface Sealer is concentrated and must be diluted prior to use. Add water first, then slowly pour in Zycosil concentrate at the following dilution rates:

Horizontal application	10:1
Vertical application	20:1

Gently stir for 3 – 5 minutes. DO NOT MIX VIGOROUSLY, which can introduce air bubbles.

Mix only what can be used within 24 hours. Discard any material not used within 48 hours.

7. Placement

ASH GROVE PRO® Zycosil Multi Surface Sealer should be applied to surfaces that are above 50°F. Surface should be dry with no rain expected within 2 hours following application. Apply using a low pressure airless sprayer, brush, roller, or broom.

On horizontal surfaces, apply enough material to flood the surface. Move around any material which has not penetrated the surface after 5-10 seconds. Keep traffic off of the surface until the sealer has dried.

On vertical surfaces, work from the bottom up. Saturate the surface with the sealer; run downs are not required as with other sealers.

After the surfaces have dried, rinse off any over spray on windows or metal trim with water. If the windows or metal trim were not cleaned prior to the application of the sealer, warm soapy water will be required.

Zycosil Multi Surface Sealer (cont.)

Applications requiring a warranty require approval and sign off of an Ash Grove Representative prior to application

8. Curing

Dries to touch in 2 hours, allow light traffic in 24 hours.

9. Technical Information

ASTM D 6489	Concrete water penetration Less than 15% after 24 & 48 hrs
ASTM G 154	Accelerated Weathering Less than 5% Loss after 2000 hrs
ASTM E514	Brick/Masonry Std Test for Water Penetration Passes 85% reduction
ASTM 1653:03	Masonry Vapor Transmission
ASTM E 303:93	Wet Concrete Slip Resistance
IS 3067-1988	Masonry Dampproofing of Buildings
IS 13182-1991	Masonry Dampproofing & Waterproofing of Buildings

10. Limitations

- Do not apply to frozen or frosted surface, do not apply below 50°F, do not expose to freezing conditions within first 24 hrs.
- Do not use materials after 24 hours of mixing
- Do not apply over previously sealed or painted surfaces
- Do not apply during very windy conditions
- Do not apply over concrete that has not reached 80% design strength or concrete that is less than 28 days old
- Do not apply when rain is expected within 24 hours
- Do not allow traffic on sealed surface until completely dry

11. Coverage

Square feet per reduced gallon (a test patch is recommended to determine actual coverage rates).

Porous Block	60-100	sq feet
Block	100-200	sq feet
Brick	150-225	sq feet
Pre cast Vertical	150-250	sq feet
Precast Horizontal	100-200	sq feet
Stucco	120-210	sq feet

12. Packaging

Available in Quarts and Gallons

13. Warning

Do not take internally. If accidentally ingested, seek immediate medical attention; do not induce vomiting and do not use syrup of ipecac. Contact may cause skin irritation or eye injury. Avoid skin and eye contact. In case of contact with eyes, flush with water and call physician. Use only in well ventilated area.

READ AND FOLLOW ALL PRECAUTIONS LISTED IN THE MATERIAL SAFETY DATA SHEETS (S) AVAILABLE UPON REQUEST OR AT WWW.ASHGROVEPKG.COM

KEEP OUT OF REACH OF CHILDREN

14. Limited Warranty

Packager, having no control over the use of the material, does not guarantee finished work. Replacement of any defective product or refund of the purchase price of defective product shall be the buyer's sole remedy under this warranty.

THIS LIMITED WARRANTY EXCLUDES ANY LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES.

EXCEPT FOR THE LIMITED WARRANTY MADE ABOVE, PACKAGER SPECIFICALLY DISCLAIMS AND EXCLUDES ANY OTHER EXPRESS WARRANTY, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF GOODS AND ANY IMPLIED WARRANTY OF FITNESS OF GOODS FOR ANY PARTICULAR PURPOSE.

Ash Grove Packaging reserves the right to change specifications without notice.

Zycosil Concentrate is manufactured by Zydex Industries.