#32-302 Exposed Aggregate Retarder

DESCRIPTION

Exposed Aggregate Retarder is a concrete surface retarder suitable for use on horizontal surfaces to produce decorative exposed aggregate finishes or profile surfaces for subsequent toppings, overlays or membranes. **Exposed Aggregate Retarder**, applied to fresh, green concrete, retards the surface mortar set eliminating the needs for costly sandblasting or acid washing.

USES

- Horizontal concrete surfaces only
- Suitable for precast panels, sidewalks, driveways, and patios
- Leaves rough surface to improve mechanical bond for keyway joints, waterproofing membranes and cementitious coatings

ADVANTAGES

- Tinted formulation insures even coverage and performance
- Easy to apply with standard pressurized spray equipment, brush or roller
- Less costly than sandblasting or green cutting
- Aggregates remain clean and sharp with no residue to neutralize
- Use on adjacent masonry or reinforcing steel to reduce cleaning procedures
- Eliminates environmental dangers associated with acid washing or other chemical methods
- Provides uniform depth of retardation up to 0.25" (6mm)

TECHNICAL DATA

Complies with National Volatile Organic Compounds Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

Test Data	
V.O.C Content:	<50g/L
Appearance	Translucent green liquid

Estimating Guide varies with surface conditions	
Smooth, trowel finished & forms	100 ft^2/gal (2.5 m^2 m/L)
Heavy broom or rough finishes may require additional material	

Approximate dwell time varies from 4 to 24 hours depending on the temperature and the concrete mix design. A test panel is strongly recommended using the specific concrete mix to determine the appropriate dwell time. For example: 75°F (24°C) and above 4 to 8 hours. Do not apply below 50°F (10°C)

DIRECTIONS

Exposed Aggregate Retarder is ready to use. Do not dilute. **Concrete Placement:** Place concrete to finish grade. For specialized architectural finishes or for a precise aggregate design, it may be necessary to seed surface with designated aggregate, floating it lightly into surface to ensure embedment. Apply **Exposed Aggregate Retarder** using a sprayer with 0.010 orifice tip, brush or roller apply immediately after final finishing and prior to initial set at a rate of 100 ft^2/gallon (2.5 m^2/L). **Exposed Aggregate Retarder** is tinted green to assure uniform application for equal depth of retardation. On hot or windy days, **Exposed Aggregate Retarder** treated surfaces should be protected from rapid drying by use of a monomolecular evaporation retardant. After applying **Exposed Aggregate Retarder** remove the retarded mortar, based on the information determined through use of the test panel, using low pressure water spray and stiff brush. After all retarded surface matrix is removed, the clean concrete surface should be protected against physical damage and properly cured. Boss Gloss Cure & Seal is recommended to provide ultimate curing and sealing performance.

CLEANUP

Before material dries and hardens, clean tools and equipment with detergent and warm water.

STORAGE

Do not allow to freeze. Store tightly closed containers in warm, dry area. Shelf life of properly stored material is one year from date of manufacture.

LIMITATIONS

- Do not apply at ambient temperatures below 50°F (10°C).
- Failure to completely remove material from treated surface may result in a slight green discoloration of concrete

Precautions:

Danger: Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Proper application is the responsibility of the user. Bon Tool Co. can only make technical recommendations and cannot provide quality control on the jobsite. All label instructions, warranty, and the Safety Data Sheet must be read and understood before using this material.