



SURFTARD

Surface Retarder for Concrete Flatwork

1. Product Description

a. **Basic Use:** Surfard is a specially formulated liquid which reacts chemically with the cement matrix of concrete to temporarily retard the set. It allows production of horizontal exposed aggregate surfaces and is excellent for both interior and exterior applications.

b. **Features/Benefits:**

- Easy to apply spray formulation.
- Quick, cost effective approach to exposed aggregate flatwork.
- Provides retardation up to 1/4 in. (6.4 mm) depth.
- Safe method with totally VOC compliant material.
- Creates attractive, decorative aggregate surfaces when used with seeding procedures.

c. **Typical Applications:** Driveways, walkways, curbs, roads and parkways. Any horizontal surface for aesthetic or slip resistant purposes.

d. **Limitations:** Surfard is not for vertical or formed surfaces. It should not be used at temperatures below 40°F (4°C).

e. **Composition:** Surfard is a proprietary formulation of chemical and organic agents. These agents are "set safe" to adjoining fresh concrete areas, as they will not prohibit an eventual set if unintentionally splashed or spilled.

f. **Color/Appearance:** Surfard is a deep pink sprayable liquid. Since it is flushed or scrubbed off, it does not add any color or texture to the aggregate surface.

2. Packaging

Surfard is supplied in 1-gal. (3.8 liter) jugs (4 jugs per case), 5-gal. (18.9 liter) pails, and 55-gal. (208 liter) drums.

3. Estimating/Yield

One gal. (3.8 liter) of Surfard will cover 100-200 sq. ft. (9.3-18.6 sq. m) and provide from 1/8 in. (3.1 mm) to 3/16 in. (4.8 mm) depth retardation.

4. Technical Data

a. **Applicable Standards:** None

b. **Typical Surface Set Times at 72°F (22°C):**

- Plain Untreated: 4.5 hours
- Surfard Treated: 19.0 hours

5. Directions for Use

Surfard is applied immediately to freshly placed horizontal concrete surfaces. Concrete should be screeded and bullfloated before Surfard application. Aggregate seeding should also be complete. Application should be made by a low pressure sprayer. Do not float into concrete surface. Covering of treated surface with polyethylene is recommended to prevent evaporation. The retarded concrete surface should be flushed thoroughly with water and broomed vigorously or washed with a power washer. The timing will vary from 12 to 24 hours depending on ambient temperatures and weather conditions. Check surface regularly in hot weather to properly time flushing operation.

6. Availability

Surfard is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Surfard is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.