



REMR MATERIAL DATA SHEET CM-SE-1.30  
 CONCRETE SEALER: HD-36 DECKTREAT  
 (Supersedes previously issued CM-SE-1.30)

## 1. NAME

HD-36 Decktreat

Storage temperature should be 45° F or higher. Properly resealed containers have approximately 2- to 3-year life-span. Store away from open flame.

## 2. MANUFACTURER

Weatherite Sealers  
 Products of A & F Enterprise  
 22 Grosvenor Road  
 Needham, MA 02192  
 Telephone: (617) 444-0909

## 6. MANUFACTURER'S GUIDANCE FOR APPLICATION

## 3. DESCRIPTION

Butyrate polymers dissolved in selected solvents.

Surface preparation: Surfaces must be clean and free of rain or other moisture for approximately 48 to 72 hr, depending on ambient temperature and humidity level. Ambient and surface temperatures should be 50° F or higher with the relative humidity level no higher than 65 percent.

## 4. USES

HD-36 Decktreat is a nonyellowing, single-component, penetrating breachable sealer that is specially formulated to establish a tough, long-wearing seal for concrete. It withstands harsh impact from studded tires and chains; bridges hairline cracks; and has excellent resistance to common garage soiling, staining, and calcium chloride. Deck protection is established without affecting slip or skid resistance.

Newly poured concrete (4- to 6-in. slab) on grade should be allowed to cure approximately 18 to 21 days before treating. Wax curing agents must be removed.

Previously unsealed older surfaces should be broom swept or vacuumed to remove dust. Extreme conditions may require steam cleaning or acid etching to establish deeper penetration and greater absorption.

## 5. MANUFACTURER'S TECHNICAL DATA

Solids content: 37% by weight

Weight per gallon: 7.4 ± 0.1 lb

Shelf life: Unopened containers may be stored up to 4 years.

Note: Improved bonding to surfaces is facilitated by the use of Weatherite LD-12 Masonry and Concrete Primer/Sealer.

Application: Apply uniform, even, application and avoid puddling. To assure a uniform finish, mix thoroughly at low speed to be certain

to completely dissolve dulling agents that settle out during storage and cold weather. Do not alter or dilute the product in any way; chemical imbalance of the butyrate polymer may develop that will result in rapid deterioration of both the liquid and the cured product. Best results are achieved when applied with a short to medium nap roller. Avoid excessive haste with roller applications, which could result in blisters or bubbles on the dried surface of the sealer.

Application can, however, also be effectively made with airless spray equipment. The use of an extension handle with the airless spray equipment is highly recommended. The opening should be between 0.017 to 0.022 in.; pump ratio should be 30:1, with the pump pressure between 2,300 to 2,600 psi. Thorough and complete coverage of surfaces is essential. Avoid thin spots and holidays by whatever application technique.

Coverage: Spread rate will vary due to surface porosity, application method, and surface texture.

<u>Surface</u>	<u>Coverage, sq ft/gal</u>
Steel troweled concrete with primer	250-300
Steel troweled concrete after priming	275-300
Broom finished concrete	225-250

Limitation: Do not apply when rain, dew, fog, frost, or snow, all of which will adversely affect proper curing, may develop within approximately 8 to 12 hr of application at 50° F (approximately 22 to 24 hr at 40° F).

#### 7. CORPS OF ENGINEER'S EVALUATION

Percent solid  
 (ASTM D 1644, Method A): 36.1%

#### Percent water absorption (ambient temperature) (ASTM C 642):

	1 day	0.16%
	2 days	0.23%
HD-36*	4 days	0.35%
	7 days	0.51%

#### Ratio of percent water absorption for treated to nontreated specimen (2-day submersion):

4.9%

#### Percent water transmission:

	2 days	0.60%
HD-36*	4 days	1.09%
	7 days	1.70%

#### Ratio of percent water transmission for treated to nontreated specimen (7-day diffusion):

48.2%

\* LD-12 primer/sealer applied to surface before coating.

Scaling resistance of coated concrete surface (ASTM C 672, using water)

Rating after 50 cycles of freezing and thawing

Rating--0 No scaling

Accelerated weathering test of coated 3- by 6-in. mortar prisms (ASTM C 53)

Water Absorption 48 hours, %

<u>Before Test</u>	<u>After 1,600 hr Testing</u>
0.59	4.34

Condition after test: Lighter in appearance, with sheen no longer visible.

#### 8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's

recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

#### 9. AVAILABILITY & COST

Information concerning the availability and cost of HD-36 Decktreat can be obtained by writing the manufacturer at the address given in item 2 or calling (617) 444-0909.

#### 10. TECHNICAL SERVICE

Information on technical service can be obtained by writing the manufacturer at the address in item 2 or calling (617) 444-0909.