

# WEATHER WORKER™ WB HEAVY DUTY (J-27-WB)

PENETRATING HIGH SOLIDS WATER BASED SILOXANE WATER REPELLENT V.O.C. COMPLIANT.

## PRODUCT DESCRIPTION:

Weather Worker WB Heavy Duty is a high solids (20%) water based emulsion of siloxane that penetrates into concrete or masonry and provides long term weatherproof protection. Weather Worker WB Heavy Duty is a single component product that is ready-to-use. Dilution prior to application is not required.

Weather Worker WB Heavy Duty penetrates the substrate, and chemically reacts with, and bonds to, the concrete or masonry surface. The invisible film formed by Weather Worker WB Heavy Duty will “bead” water and protect the substrate many times longer than conventional coatings.

## PURPOSE:

Weather Worker WB Heavy Duty provides outstanding long term weatherproof protection for many types of concrete and masonry surfaces. It is ideal for horizontal concrete applications that need protection from freeze-thaw damage and deicing salts. It is also ideal for protecting porous concrete block and split face block. Aside from its ability to “bead” water, it allows the substrate to “breathe” with its moisture vapor permeability.

## Weather Worker WB Heavy Duty Protects Many Types of Structures:

- Cast-In-Place Concrete
- Precast and Prestressed Concrete
- Exposed Aggregate Concrete
- Concrete and Split-Face Block

## Weather Worker WB Heavy Duty Prevents or Inhibits:

- Moisture Penetration
- Attack by Deicing Salts (Chloride Ions)
- Corrosion of Steel Reinforcements
- Attack by Airborne Industrial Chemicals
- Spalling Caused by Freeze-Thaw Cycles
- Efflorescence

## ADVANTAGES:

- Water based, low odor
- V.O.C. Compliant
- Ideal for horizontal concrete applications and porous concrete block
- Outstanding protection against deicing salts and chloride ions
- Excellent beading for improved aesthetics
- Will not change the traction or skid resistance of a surface
- Strong chemical bond to the substrate
- Excellent vapor transmission
- Dries quickly, open to traffic in 1-2 hrs.

- Excellent alkali resistance
- Extended warranties are available with Weather Worker WB Heavy Duty. For details call Dayton Superior.

## SPECIFICATIONS:

- Active Content: 20% Water Based Oligomeric Alkylalkoxy Siloxane
- Water Penetration Through Masonry ASTM E-514 [With Stimulated Wind Driven Rain At 62.5 mph (100.6 kph)] Average Reduction In Leakage Rate - 84%
- N.C.H.R.R Report 244 Series 2 - 87% Percent Reduction In Chloride Ion Content
- Vapor Transmission - Excellent - No moisture retained after 21 days.
- Federal Specification SS-W-110 C Passes - 99% Effective

## APPLICATION INSTRUCTIONS:

### Preparation:

New concrete must be cured a minimum of 28 days. Use a wet burlap cure or cure with Dayton Superior Day-Chem Sil-Cure (J-13). Other curing compounds may not be compatible and will have to be removed. Tuckpointing must cure a minimum of 3 days and caulking should be fully cured before application. Concrete surfaces should be clean, free of dirt, oil, grease and other contaminants. New concrete surfaces may only require sweeping, however, if construction traffic has been excessive, washing with 2,000 psi (14 MPa) pressure cold water may be necessary. On older concrete surfaces, sandblasting, shotblasting, or high pressure cold water of sufficient pressure may be used. Chemical cleaning or high pressure hot water may also be used. Rinse thoroughly after chemical cleaning. For masonry surfaces, use chemical cleaners and/or lower pressure 500-1500 psi (3.4-10.3 MPa) cold water cleaning.

The surface pores must be opened up sufficiently to allow immediate penetration of Weather Worker WB Heavy Duty. A good test is to place a few drops of Weather Worker WB Heavy Duty onto the clean surface. Weather Worker WB Heavy Duty should be immediately absorbed into the surface.

### INSTALLATION:

Before application, the surface should be completely dry. Allow at least 24 hrs. with sunshine for drying if the surface was wet. Do not apply below 40°F (4°C) or above 100°F

Refer to [www.daytonsuperior.com](http://www.daytonsuperior.com) for latest Technical Data Sheet and MSDS  
7777 Washington Village Dr., Suite 130, Dayton OH 45459  
Customer Service: (888) 977-9600  
Technical Assistance: (866) 329-8724

# WEATHER WORKER™ WB HEAVY DUTY (J-27-WB)

(38°C) temperature. Do not apply if rain is expected within 3 hours. Do not apply during very windy conditions, high winds could cause an excessive application rate. Cover and protect all glass, aluminum, metal, grass, shrubs, plants, and vegetation from overspray. Agitate Weather Worker WB Heavy Duty before spraying. Apply a single application of Weather Worker WB Heavy Duty with low pressure spray equipment (15 psi or .1 MPa) roller or broom. Use a fan spray nozzle for greatest efficiency, mist spraying will only waste material. On vertical surfaces, apply the material from the bottom of the wall upward so that it will run down the surface at least 6 inches (115 cm) below the spray pattern. On horizontal surfaces, material should be sufficiently applied to completely flood the surface, approximately 125 FT<sup>2</sup>/gal. (3 M<sup>2</sup>/L) depending on the porosity of the surface. Typically, the surface can be reopened to traffic in 1-2 hrs. Opened containers of Weather Worker WB Heavy Duty should be tightly resealed when not in use. The full chemical reaction of the siloxane will take 3 days.

## APPROXIMATE COVERAGE:

	FT <sup>2</sup> per Gallon	M <sup>2</sup> per Liter
Concrete Cast-in Place	100–150	2.5–3.7
Precast	125–150	3.0–3.7
Exposed Aggregate	100–150	2.5–3.7
Rough Stone	100–150	2.5–3.7
Concrete Block	60–90	1.5–2.3
Split Face Block	60–90	1.5–2.3

## DRYING TIME:

The milky white colored product will dry to a clear, transparent film in 1-2 hrs. at 70°F (21°C).

## PACKAGING:

55 gal. (208L) drums, 5 gal. (18.9L) pails and 1 gal. (3.8L) cans

## CLEAN UP:

Equipment - Use clean soapy water.

## LIMITATIONS:

Always test substrate with an application of Weather Worker WB Heavy Duty to a minimum of 3' x 3' (.9 x .9 m) area to check for performance, water repellency and to verify the cleaning procedure. Do not apply to dense vertical substrates like clay brick or architectural concrete, it may darken the substrate. Over-application may darken substrate. Do not apply to a wet surface. The shelf life for an unopened container is one year. Keep containers tightly

sealed when not in use. Store in a dry location with a temperature range between 40°F (4°C) and 100°F (38°C).

## WARNING:

- Use with adequate ventilation
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately.

DO NOT induce vomiting

If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Reseal container after each use. Wear protective clothing, gloves, and goggles. Read MSDS before using product.

## MANUFACTURER

Dayton Superior Corporation  
7777 Washington Village Dr., Ste. 130  
Dayton, OH 45459  
Customer Service: 877-977-9600  
Technical Services: 866-329-8724  
Website: [www.daytonsuperior.com](http://www.daytonsuperior.com)

## WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

## LIMITATION OF LIABILITY

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

