

**Basic Description**

JW 200 Concrete Treatment is a ready- to use, water borne combination of silicates, and siliconates. JW 200 seals, hardens, and dustproofs new and existing concrete floors. JW 200 is formulated as an environmentally safe floor treatment. Concrete surfaces treated with JW 200 are easier to maintain and clean.

**Features:**

- Seals, hardens & dustproofs in one easy operation
- Forms a wear resistant surface
- Penetrates & reacts with the concrete- not just as a surface coating but as an integral part of the concrete.
- Ready to use.
- May be applied with a brush, or by hand or power sprayer.
- Permanent.
- Non toxic.
- Cures the concrete surface.
- Treated surfaces absorb less water than untreated substrates.
- 0 grams/litre V.O.C.

**Uses**

JW 200 improves the surfaces wear resistance, providing a flame retardant non-toxic surface. JW 200 reacts to create an insoluble gel which fills the pores of fresh concrete, sealing in the mixing water to promote the full development of compressive and tensile strength of the concrete.

JW 200 penetrates, and chemically reacts with the concrete to form an insoluble gel, filling the pores of the concrete. Floors treated with JW 200 resists a variety of staining substances, including:

- mild acids & alkalis
- fruit sugars,
- soaps and detergents
- oil and grease

Primary applications for JW 200 Concrete Treatment are:

- Warehouse floors
- Commercial or Retail floors
- Polished concrete floors
- Garage or Shop floors

**Hardening Qualities**

JW 200 hardens concrete and achieves an increase in compressive strength of in excess of 35% over untreated samples after 28 days of curing (ASTM C 42). Impact resistance is also improved by up to 13% ( ASTM C 805).

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**Limitations**

JW 200 should be spread evenly over the concrete surface so that pools do not accumulate, resulting in slippery and/or white patches on the finished surface. Do not allow product to remain on surface.

Adjacent surfaces should be protected from overspray. Where overspray occurs, surface should be washed with water within one hour.

JW 200 chemically bonds to, penetrates and seals concrete surfaces. However, after fully curing most coatings will mechanically bond to this surface.

- JW 200 should not be used when the temperature is less than 7° C (45°F)
- JW 200 must not be applied to frozen surfaces.
- JW 200 must be kept from freezing.

Smooth concrete surfaces treated with JW 200 may be slippery when wet.

**Warranty**

Innovative Mfg. strives to manufacture the highest quality products using selected raw materials, manufacturing methods and testing procedures. All products are warranted to be of uniform quality within manufacturing tolerance. Since no control is exercised over the end use of the product, no warranty, expressed or implied is made to the effects of such use. Seller's and Manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.

**Properties of Material**

|                    |   |
|--------------------|---|
| Appearance         | Clear liquid                              |
| Flammability       | Non-flammable                             |
| Viscosity          | Low                                       |
| PH                 | Over 10 (Alkali)                          |
| Density            | 1.13 Kg/L (11.3 lb/gal or 9.42 lb/US gal) |
| Specific gravity   | 1.13                                      |
| Toxicity           | Non toxic                                 |
| Storage limitation | Freezable                                 |
| V.O.C.             | 0 grams / litre                           |

**First Aid**

If JW 200 is spilled on skin, wash thoroughly with soap and water. If splashed in eyes, flush with cool water. Call a physician immediately. If swallowed, call a physician immediately.

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**Installation****Fresh Concrete**

1. Complete the finishing operations apply when surface is not marked by walking, and when there is no standing surface water present, apply JW 200 according to instructions.
2. Apply while concrete surface is still damp but surface water has disappeared.
3. Apply by hand or power sprayer at specified application rates.
4. Using a stiff bristled push broom or straw broom, work the material into the porous surface.  
**\*Do not allow material to puddle, or remain on surface after 30 minutes**
5. Allow 24 hours drying time before placing in service
6. If a burnished appearance is desired follow directions for "New and Existing Concrete"

**New and Existing Concrete**

1. Cure concrete for 5 days.
2. Remove all loose material, grease, oil, dust or chemical contaminants, including curing compounds, from surfaces to be treated with JW 200. To remove grease and oil, use PAVECLEAN. A dirty or spotted floor will result in an uneven appearance, and a poorly protected surface. Allow 24 hours to dry.
3. Stir product thoroughly before use.
4. Apply JW 200 to concrete surface with a low pressure hand or power sprayer.
5. Using a broom or stiff bristle push brush; distribute evenly, and uniformly over the surface at the recommended coverage rate, taking care to eliminate puddles.
6. When JW 200 gels or thickens, lightly spray with clean water to thin, and redistribute.  
**\*Remove any product remaining on surface after 30 minutes with a squeegee.**
7. Protect drying film from dust, rain, condensation and traffic.
8. Allow 24 hours drying time before burnishing, or placing in service.

**Rate of Application**

| Profile of Surface | M <sup>2</sup> per L | Ft <sup>2</sup> /per gallon |
|--------------------|----------------------|-----------------------------|
| Smooth             | 6 - 11               | 250 - 450                   |
| Rough              | 2.5-7                | 100 - 285                   |

**Clean Up**

Clean tools and equipment with water before JW 200 dries. Clean hands and skin with soap and water.

If white areas develop on surface, and caught early immediately flush with warm water, and scrub with stiff brush or broom.

If allowed to cure on surface mechanical removal will be required. The use of an auto scrubber, or polishing/grinding unit with a stripping pad installed will be required.

**Maintenance**

JW 200 treated surfaces require no special care. The use of JW 200 reduces the care required and extends the surfaces service life.