MASONS SUPPLY COMPANY

MASCO

OREGON **WASHINGTON**

MASCOHARD | CHEMICAL HARDENING, DENSIFYING AND DUSTPROOFING COMPOUND

DESCRIPTION

A high-end chemically hardening, densifying, and dustproofing compound that permanently bonds to concrete. MASCOHARD is a water-based, clear, odorless, non-staining, 100% siliconate solution designed to penetrate the concrete surfaces and react with available lime. Surfaces treated with MASCOHARD are more abrasion resistant, more resistant to chemicals than untreated concrete, and offer improved aesthetics to the finished surface. Treated surfaces will develop a polished appearance over time. MASCOHARD does not form a membrane, so it will not peel, rubber burn, or require recoating.

As soon as the MASCOHARD is applied, a chemical reaction takes place between the siliconate compounds and the lime in the concrete matrix. The reaction produces a calcium silicate hydrate or tobermorite gel, already a primary binder of hydrated portland cement. MASCOHARD increases the tobermorite gel which increases density, hardness, and chemical resistance. The floor finish is enhanced by a more polished look.

MASCOHARD meets USDA specifications for use in food processing areas as well as all V.O.C. requirements.

USES

MASCOHARD is recommended for industrial and commercial interior and exterior above and slab on grade floors. Ideal applications include industrial plants, warehouses, schools, factories, hospitals, malls, food processing plants, textile mills, freezers, water and sewer treatment plants, parking decks, airports, and stadiums.

APPLICATION

Newly Placed Concrete: Concrete floors should be cured at least 7 to 14 days before treatment because the concrete needs sufficient time to hydrate. Hydration increases the amount of lime available to react with the MASCOHARD. In addition, waiting time allows MASCOHARD to penetrate the pores of concrete more deeply. **Use MASCO BIOKURE for initial curing of concrete**. Apply BIOKURE after finishing is complete and surface water has disappeared; apply at rate of 500-600 sq. ft./gal. on hard troweled surfaces, 300-400 sq. ft./gal on broom finish surfaces. Apply MASCOHARD according to the "old concrete" instructions after a minimum of 7 to 14 days cure.

Old Concrete: Apply MASCOHARD by low pressure spray, brush, or stiff bristle broom to point of rejection so entire surface is wet. As a guideline there should be enough MASCOHARD on the floor to fill in a footprint within several seconds of taking a step. Application rate is approximately 200 sq. ft./gal. Dwell time is approximately 30-45 min. Do not allow the surface to dry. If surfaces begin to dry out mist with more MASCOHARD or clean water.

After 30-45 min., as the surface becomes slippery underfoot, thoroughly flush entire surface with clean water. Squeegee dry the surface to remove any impurities or product residue otherwise white residue will appear on the surface**. If white residue starts to appear on the surface during drying, immediately remove with hot water and scrubbing.**

NOTE: On concrete that is porous or soft, additional applications of MASCOHARD may be required. This also applies to surfaces with open finishes, such as broom finish, heavy tine, or scarified floors.

COVERAGE

First Coat: 200 sq. ft./gal.
Second Coat (if needed): 300-400 sq. ft./gal.
Actual coverage rate is dependent upon finish and surface porosity.

COMPLIANCES

Asphalt and Vinyl Institute.
Meets Arizona and California VOC .
U.S. Army Corps of Engineers and other federal specifications for sodium silicate concrete compound when used in accordance with their specifications.

DRYING TIME (at 72° F < 50% humidity)

Dry Time to Touch:	1 hr.
Light Floor Traffic:	2 hrs.
Normal Traffic:	4 hrs

PHYSICAL PROPERTIES

Finished Appearance:	Clear
Color:	Light Blue in Container
Flash Point:	None
V.O.C. Content:	0 g/L

CAUTIONS

- During application, surfaces wet with MASCOHARD are very slippery. Use appropriate precaution.

- Application temperature range: 40°–120°F (2°– 49°C).
- Keep traffic off floor 4–8 hrs after application.
- Protect from freezing.
- Not for use on colored concrete or clay masonry.
- Test application should be performed before full scale application.
- Do not dilute or alter.
- Avoid contact with glass, aluminum, and polished metal surfaces.
- Not for use on concrete previously treated with curing and sealing compound without complete removal.
- Do not apply subsequent paints, coatings, or toppings without consulting manufacturer's recommendations.
- For tilt and casting slabs use Masco NW BONDBREAKER for curing and bond breaker coat. After panels are cast, clean slab with MASCO CITRIS CLEAN and apply MASCOHARD.
- Wipe up chemical spills as soon as possible.

PACKAGING
5 gallon, and 55 gallon DOT approved containers.
Storage: 50°F to 85°F
Protect from Freezing.
Shelf Life: 1 year unopened, in protected storage.
Freight Class: Class 55
DOT/UN Shipping Name: Non-regulated
DOT Hazard Class: Non-regulated
Shipping Name: Non-regulated

FIRST AID
Inhalation: Remove victim from exposure. If victim has difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.
Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
Skin: Wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, seek medical attention.
Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical attention.

CLEANUP INSTRUCTIONS
If material is sprayed on glass or other finished surfaces, quickly wipe-up with warm soapy water. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.

TECHNICAL SERVICE
For application procedures or surface conditions not specified above, please contact:

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