



MCH

Moisture Controller & Hardener

ARMIDEX MCH is a deep penetrating reactive proprietary material designed to control moisture and harden the Portland based concrete. **MCH** can be applied to both new and existing concrete. **MCH** is a uniquely designed blend which is a water-based environmentally friendly product. **MCH** has **no harmful VOCs** and is non-toxic, non-flammable, and odorless. **MCH** benefits Architects, Engineers, Contractors, and Owners. It is an easy one step and low-cost moisture controlling and hardening product. The benefits of using **MCH** may include reduction of moisture evaporation from the concrete slab during the curing process, aide in the curing of concrete to reduce the likelihood of shrinking, curling, spalling, cracking, and other related issues due to rapid moisture loss. It significantly reduces the effects of salt and chemical attacks on fully cured concrete.

MCH will fill the capillaries and pours within concrete and turn to a harden gel. **MCH** is permanent.

RECOMMENDED USES:

ARMIDEX MCH is recommended for use on both new and existing Portland based cement slabs and is an aide to controlling moisture and concrete hardening. **MCH** aides in the placement of various flooring material much sooner than typical concrete curing would allow. Most applications can occur in half of the normal 28-day time frame. Always consult your flooring manufacturer for further information. Note that **ARMIDEX MCH** does not supersede any manufactures recommendation or warranty regarding application of the manufacture's product or does **ARMIDEX** or any of its agents assume any warranty for failure to follow manufacturer's warranty.

DESIGNATIONS:

- *Meets moisture curing standard ACI 308R-01.
- *DIV 3 03-3900 Concrete Curing
- *DIV 3 03-0557 Concrete Chemicals (General)

LEED QUALIFICATION:

*May qualify for LEED credits. **ARMIDEX** products are "Made in the USA". Contact the authorized **ARMIDEX** agent listed below for questions.

APPLICATION:

ARMIDEX can be applied to existing and newly placed Portland based concrete by use of pump-up, agricultural, and airless sprayers (Note: sprayer pressures should not exceed 500 psi). Hold spray tips at or about 12" from concrete surface and at a 90° angle to the surface. Make sure that the spray does not damage the new concrete finish.

NEWLY PLACED CONCRETE: Trained applicators only

Note: It is **VERY** important that prior to the spray application, surface finishing stops short of a hard-burnished finish. The surface should have a **MATTE LIKE OR DULL FINISH** for **MCH** to penetrate. Application can begin when the surface can take foot traffic without damaging the finish. On average, application can begin about 4-6 hours after the finishers have completed. Note that **MCH** should be applied between 4 and 20 hours once new concrete is finished. The average coverage rate on newly placed concrete is about 150-250 sq. ft. per gallon. The rate is based on concrete mix design and surface finish. Note: If coverage exceeds recommended rates, please call the authorized **ARMIDEX** agent listed below for questions.

Application Procedure: Flood the surface using a sprayer until the surface has a mirror like appearance. Move material with a medium bristle broom and keep surface wet for about 20-30 minutes. Add more **MCH** if needed to avoid any areas from drying during this period. At the end of the wetting period **MCH**, squeegee material to next section or off the new concrete slab. **MCH** material is not hazardous. It is **important** not to let **MCH** puddle or exceed the reaction time. When left on too long, it may start to get very slippery making it harder or difficult to move off the slab. Wait 10 days before coating. Broom & vacuum all residue before coating.

EXISTING CONCRETE:

Prior to spray application, concrete surface must be opened by surface grinding or shot blasting to achieve an ICRI No.310-2 (CP2). After the surface is opened, remove and clean surface of dust and debris prior to application. Average coverage on existing concrete should be 150-250 sq. ft. per gal depending on concrete porosity. When applying with a pump sprayer, use stiff bristle broom to work into concrete. If surface becomes dry, slightly mist concrete with water to allow Armidex to stay moist on surface for 20 minutes

Application Procedure: Flood the surface using a sprayer until the surface has a mirror like appearance. Move material with a medium bristle broom and keep surface wet for about 20-30 minutes. Add more **MCH** if needed to avoid any areas from drying during this period. At the end of the wetting period **MCH**, squeegee material to next section. **MCH** material is not hazardous. It is **important** not to let **MCH** puddle or exceed the reaction time. When left on too long, it may start to get very slippery making it harder or difficult to move off the slab. Wait 24 hours before coating. Broom & vacuum all residue before coating.

SAFETY AND CLEANUP:

1. All safety precautions should be taken. Always wear recommended PPE. Keep out of reach of children. Should only be used by professionally trained personnel. **For Emergencies only call Infotrac: 1-800-535-5053**
2. Caution must be taken when walking on treated surface as it will become slippery until completely dried.
3. Clean all equipment with mild soap and water upon completion. Spraying equipment should be flushed before next use or storing.
4. Protect all metals and glass application area. Also, remove jewelry as MCH may cause damage.

NEEDED EQUIPMENT:

1. Dust mask, impenetrable gloves, safety glasses, and boots.
2. Medium bristle brooms, foam squeegees, and 3/8" nap rollers (36" or 48" are ideal).
3. Agricultural sprayer or equivalent of high-quality material.
4. Protection (materials and shields) for any metal or glass surfaces that may come into contact with MCH.
5. Clean water for cleaning of equipment or any area not intended to be treated.

NOTES:

1. Don't apply over curing materials.
2. Apply MCH until slab becomes super-saturated.
3. Protect MCH material from Freezing or evaporating. Always best to store MCH between 40°-90° F.

***Do not apply when temperature is approaching freezing or on frozen substrates. Pre-wet slabs with water if temperature exceeds 90°F.**

GIS HAZARD STATEMENT:

Non-classified Hazard-may cause slight skin irritation when dry, flush with water. Avoid contact with eyes. Do not eat or drink. Wear proper PPE when handling or applying. Keep out reach of children. Use only in a professional manner. See SDS for more detailed information.

- Color – Translucent Aqua
- VOC- 0.0%
- Toxicity –N/A
- Odor – None
- DOT Class – Non-Regulated

Warranty:

LIMITED WARRANTY- PLEASE READ CAREFULLY

For any given application, it is the responsibility of the end-user to assess the product for suitability, performance, and safety. ALLSOURCE SUPPLY INC sole warranty is that the product, as supplied at the time of shipment, will meet the specifications described. All other warranties, either express or implied, are disclaimed by ALLSOURCE SUPPLY INC, including the warranties of merchantability and of fitness for use. ALLSOURCE SUPPLY INC sole liability is limited to the purchase price or replacement of any product shown to be other than as warranted. ALLSOURCE SUPPLY INC disclaims any liability or any incidental or consequential damages from the use of this product.

CONTACT INFORMATION AND AGENT:

Allsource Supply, Inc. is the sole MASTER DISTRIBUTOR of ARMIDEX products and is given sole discretion as to who may install ARMIDEX.

Contact information:

Allsource Supply, Inc.

2752 Vinland St.

Oshkosh, WI 54901 ATTN:

Roy Magnuson

P. 920.420.9548

E. roy@allsourcesupplyinc.com

Revised 5/2026

