



# TECHNICAL DATA SHEET

## DEHYDRATINE® 4, 6, and 10 Solvent Based Dampproofing Compounds

DAMP-PROOFING  
THERMAL AND MOISTURE PROTECTION

TAMMS INDUSTRIES  
JANUARY 2000 (Replaces 8/99)

TAMMS INDUSTRIES  
JANUARY 2000 (Replaces 8/99)

DAMP-PROOFING  
THERMAL AND MOISTURE PROTECTION

1. **DESCRIPTION:** DEHYDRATINE 4, 6, and 10 are designed for use as dampproofing compounds on concrete and masonry, both below and above grade. DEHYDRATINE 4 is non-fibrated and specially treated to increase its water resistance. Apply by brush or spray. DEHYDRATINE 6 is fiber-reinforced for application by trowel. DEHYDRATINE 10 is also fiber-reinforced, but is a semi mastic for brush or trowel application.

2. **USES AND ADVANTAGES:** DEHYDRATINE products are utilized to dampproof concrete. They offer excellent performance even in hot weather. DEHYDRATINE 4, 6, and 10 offer the following advantages:

- Flexible, Will Not Crack as a Result of Normal Expansion or Contraction.
- Free From Asbestos.

3. **COMPOSITION AND MATERIAL:** DEHYDRATINE 4, 6, and 10 are solvent base asbestos free black bituminous compounds. These compounds meet or exceed the following specifications:

| DEHYDRATINE             | 4 | 6 | 10 |
|-------------------------|---|---|----|
| Federal Specifications: |   |   |    |
| SS-A-701B               | X |   |    |
| SS-C-153                |   | X |    |
| Type I, Class B         |   |   |    |
| SS-R-451                |   |   | X  |
| SS-A-694D               |   |   | X  |
| ASTM Spec D2823         |   |   | X  |
| Type I                  |   |   |    |
| ASTM D4586              |   | X |    |
| Type I                  |   |   |    |
| ASTM D3409              |   | X |    |
| ASTM D4479              |   |   | X  |
| Type I                  |   |   |    |

DEHYDRATINE 4, 6 and 10 comply with national AIM VOC regulations. Actual VOC content is 280, 300 and 300 grams per liter for DEHYDRATINE 4, 6 and 10 respectively.

4. **COLORS:** DEHYDRATINE 4, 6, and 10 are black.

5. **SURFACE PREPARATION:** Surface must be dry, structurally sound, clean, free of dust, dirt, mortar residue, curing and parting compounds, and other contaminants. Prior to application, surface defects, voids, joints, or cracks must be properly sealed or filled. Cure new concrete and masonry 28 days under normal weather conditions. The weather must be dry and suit-

able for application, and the substrate dry for a minimum of 48 hours before application of DEHYDRATINE 4, 6, and 10.

6. **MIXING INSTRUCTIONS:** DEHYDRATINE 4, 6, and 10 do not require mixing.

7. **APPLICATION TECHNIQUES:** DEHYDRATINE 4: Apply by soft bristle brush or suitable spray equipment at a rate of not more than 75 square feet per gallon for first coat and not more than 125 square feet per gallon for the second coat (2 coats required). DEHYDRATINE 6: Apply by trowel at a rate of not more than 25 square feet per gallon. DEHYDRATINE 10: Apply by brush or trowel at a rate of not more than 30 square feet per gallon, which results in a 1/16" film.

**Backfilling** - Do not backfill until the film has dried, at least 24 to 48 hours after application, but backfilling should be accomplished as soon as possible to protect the film from damage by outside sources. Place backfill with care so that the film will not be punctured and ruptured.

**Spraying** - Use an air operated piston pump (such as Graco) of 9:1 ratio, and a pole gun with a 3/32" tip (for Dehydratine 4). A 3/4" ID material hose and a 1/2" ID air hose from the pump to the gun is preferred for most applications.

8. **COVERAGE:** The following coverage rates are approximate: DEHYDRATINE 4 not more than 125 sq. ft/gal; DEHYDRATINE 6 not more than 25 sq. ft/gal in a 2 coat application (50 sq. ft/gal per coat), DEHYDRATINE 10 not more than 30 sq. ft/gal.

9. **CLEAN-UP INSTRUCTIONS:** Clean tools or equipment with mineral spirits immediately following use. Clean drips while still wet. DEHYDRATINE 4, 6, and 10 will not harm glass or metal by etching, pitting, or staining; however, it will leave a residue which is easily removed with a clean cloth and petroleum based paint thinner. Stronger solvents may be required to remove the residue if allowed to remain on the surface. Once final set has occurred DEHYDRATINE 4, 6, and 10 may be impossible to remove from surfaces. Flush rubber surfaces with mineral spirits immediately following contact with DEHYDRATINE 4, 6, and 10.

10. **CAUTIONS:** Do not apply DEHYDRATINE 4, 6, and 10 to frozen or frost filled surfaces, or when the temperature is below or expected to fall below 40°F (4.5 C) in 24 hours. Do not store DEHYDRATINE 4, 6, and 10

below 40°F (4.5°C). Do not use DEHYDRATINE 4, 6, and 10 to seal cracks or voids.

**11. ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only.** Use in a well ventilated area. Indoors: open all doors and windows, and use an exhaust fan. Irritating to skin. Avoid splashing into eyes and prolonged contact with the skin. In case of eye contact, flood eyes repeatedly and call a physician immediately. **DO NOT RUB EYES.** Wash hands with soap and water immediately after use, and before smoking or eating. If ingested, do not induce vomiting. Call a physician immediately. **KEEP AWAY FROM CHILDREN AND ANIMALS.** Protect shrubbery, plants, grass, rubber, and asphalt from spills or overspray during application. Consult Material Safety Data Sheet for complete product safety information. **EMERGENCY RESPONSE PHONE NUMBER:** (800) 862-2667 TAMMS or (800) 424-9300 CHEMTREC.

**12. PACKAGING:** 5, and 55 Gallon DOT approved containers. (Metric: 18.9 and 208.2 liters)  
**Storage:** Cool, dry, well ventilated area.  
**Shelf Life:** 1 year properly stored.  
**Freight Class:** Class 55 (Not Red Label).

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

TAMMS INDUSTRIES  
3835 State Route 72, Kirkland, IL 60146  
800-862-2667 FAX: 815-522-2323  
www.tamms.com

**WARRANTIES:** Seller warrants that the Products do not infringe upon any copyright, patent, or trademark or trade secret, nor violate the proprietary information rights of any third party. Seller warrants that its Products will conform to and perform in accordance with the Products' specifications. **THE FOREGOING WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. LIMITATION ON LIABILITIES:** Because of the difficulty of ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury. Seller's liability to the Buyer or any third party, for any losses or damages, whether direct or otherwise, arising out of the purchase of Product from Seller by Buyer shall not exceed the total amount billed and billable to the Buyer for the Product hereunder. **IN NO EVENT WILL SELLER BE LIABLE FOR ANY LOSS OF PROFITS OR OTHER SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**