

XYPEX[®] HIGH 'n DRY

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PRODUCT

Xypex HIGH 'n DRY Waterproofer. "Concrete Waterproofing by Crystallization"

Although applied as slurry coating, HIGH 'n DRY is a chemical treatment which reacts with moisture and the chemical constituents of concrete to produce a non-soluble crystalline growth within the pores of the concrete thus sealing it against water seepage.

Xypex HIGH 'n DRY prevents:

- Water Seepage
- Crumbling Foundations
- Unhealthy Dampness
- Musty Odor
- Peeling Paint
- Warped Paneling
- Lifted Tiles
- Damage to Stored Articles
- Dry Rotting of Studs



ADVANTAGES

1. Studs, tiles or carpeting may be laid safely over HIGH 'n DRY treated concrete. Apply HIGH 'n DRY *before* finishing your basement and avoid costly repairs.
2. Can be applied to wet concrete, therefore, the problem can be solved immediately without having to wait for dry weather.
3. Can be applied on the inside of foundation walls and floors against strong water pressure.
4. Non-Toxic. It does not produce dangerous fumes and is approved for use on potable water tanks.
5. Allows concrete to "breathe" and become completely dry. Does not "trap" water in the concrete.
6. Protects concrete against deterioration caused by water seepage, chemicals sometimes found in ground water, de-icing sales and the freeze thaw cycle.

PROCEDURES

1. SURFACE PREPARATION

HIGH 'n DRY Waterproofer requires a clean, open pore surface. Remove any substance that might prevent the penetration of the crystalline formation, i.e. Paint, oil, dirt, etc. Smooth steel troweled concrete must be lightly roughened or etched.

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2. WETTING CONCRETE

Moisture is required for the crystalline formation to penetrate deep into the pores of the concrete. Dry concrete must be wet thoroughly before the application of HIGH 'n DRY Waterproofer. This can be accomplished by spraying or brushing clean water from a bucket with a Xypex brush. Excess surface water must be removed before the HIGH 'n DRY Waterproofer application.

3. MIXING

For a slurry coat application, mix 5 parts HIGH 'n DRY powder with 2 parts clean water by volume. Mix until a thick creamy consistency is obtained (a paddle mixer on a low speed drill may be used for larger batches). Mix only as much as can be applied in 10-15 minutes. If mix starts to set, agitate briefly. Do not add more water. Protect hands with rubber gloves.

4. APPLICATION

Apply slurry coating with a thick nylon bristle (cement brush) or push broom for large horizontal surfaces. The coating must be uniformly applied and should have a thickness of just under 1.25 mm (1/16 in). When a second coat is required it should be applied after the first coat has set but is still "green" (less than 24 hrs). Light pre-watering between coats may be necessary due to drying. HIGH 'n DRY cannot be applied outdoors in rain or freezing weather (see Limitations). Coverage is approx. 6 sq. ft. per lb.

5. CURING

The curing process is important for the growth of the crystalline formation and hardening of the coating. Curing should begin after the coating has set and begins to dry (normally 1-2 hrs.). Spray coating with a fine mist of water or apply water from a pail with the applicator brush. Under most conditions it is sufficient to dampen the coating 3-4 times a day for 2-3 days. In cool damp conditions, the coating may not require curing. In some cases it may be necessary to circulate the air with a fan to compensate for extreme humidity.

CRACK AND JOINT REPAIR

1. Structural cracks, cold joints and construction joints should be chiseled open to form a "square" groove 1 inch to 1 1/2 inch deep.
2. Flush groove with clean water to remove loose particles and wet the concrete (if possible use wet-dry vacuum).
3. Remove excess water from the groove and fill with a blend of 2 parts Xypex PATCH 'n PLUG or TARGET AQUAPLUG (available at most building supply dealers) and 1 part HIGH 'n DRY. Blend powders together before mixing with water to a stiff mortar consistency.

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NOTE: Where there is a direct flow of water through cracks or other structural defects, a fast setting hydraulic cement should be used to stop the flow of water prior to the application of HIGH 'n DRY.

LIMITATIONS

When using HIGH 'n DRY in hot weather (above 70 °F, 21 °C) care must be taken to prevent the coating from drying too quickly. This is accomplished by moistening the coating more frequently during the curing process than would be required under normal conditions.

HIGH 'n DRY cannot be applied outdoors in temperatures below 35 °F, 2 °C or if temperatures are expected to fall below that level within 48 hours.

Swimming pools or structures designed to hold water should not be filled for at least 12 days after a HIGH 'n DRY application.

HIGH 'n DRY cannot be applied over paint or other coatings. It must be applied to bare concrete surfaces only.

PACKAGING

Xypex HIGH 'n DRY is available in convenient re-sealable plastic pails, 2.27 kg (5 lb) as well as 5 kg (11 lb) and 11 kg (24.25 lb).

YIELD

1 lb. Covers 6 sq. ft. / 800 g covers 1 m²
2.27 kg (5 lb) covers 30 sq. ft.
5 kg (11 lb) covers 66 sq. ft.
11 kg (24.25 lb) covers 145.5 sq. ft.

CAUTION

Protect hands with rubber gloves. Avoid contact with skin and eyes. Should this occur, flush thoroughly with water. Do not rub eyes. Wash hands and tools with water after use.

Manufactured by Xypex Chemical Corporation
Richmond BC Canada V6B 2G9

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