DRYFLEX®

DS430

A Polymer-Based, Water-Resistant Base Coat and Adhesive

Description
Dryflex is a high percentage polymer-blend material, which is mixed with Portland cement. It is white in color before adding cement.

Uses
- Dryflex is especially suited for areas of anticipated high moisture activity such as below grade, sill and parapet applications. Dryflex can also be used as a barrier coat to protect from wind-driven rain.
- As an adhesive to attach extruded polystyrene insulation boards for below-grade applications. Not recommended for wood-framed construction.
- As a water-resistant adhesive and base coat below grade, at sills, parapets and slope details or wherever moisture contact may be high.
- As a hydrostatic water-resistant base coat applied to sheathings, concrete masonry or other approved substrates.

Coverage
Dryflex is available in 20 kg (45 lb.) pails; coverage depends on usage, application technique and waste.
- As a water-resistant adhesive, it will yield approximately 7.4–8.4 m^2 (80-90 ft^2).pail.
- As a water-resistant base coat at 2.4 mm (3/32") thickness, it will yield approximately 11–13 m^2 (120-135 ft^2) pail.
- As a hydrostatic water-resistant coating at 3.2 mm (1/8") thickness, it will yield approximately 7.4–8.4 m^2 (80-90 ft^2) per pail.

Properties
Working Time - After mixing, the working time of Dryflex mixture is 2 to 4 hours depending on ambient conditions.
Drying Time - The drying time of Dryflex mixture is dependent upon the air temperature and relative humidity. Under average drying conditions 21 °C (70 °F), 55% RH, protect work from rain for at least 24 hours.
Application Procedure
FOR COMPLETE INSTALLATION INSTRUCTIONS, REFER TO DRYVIT SYSTEM APPLICATION INSTRUCTIONS.

Job Conditions - Air and surface temperature for application of Dryflex mixture must be 4 °C (40 °F) or higher and must remain so for a minimum of 24 hours.

Temporary Protection - Shall be provided until the finish coat and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Surface Preparation - Surfaces must not be below 4 °C (40 °F) or painted and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

Mixing - Thoroughly mix the Dryflex. Into a clean plastic container, pour 1/2 of the freshly mixed Dryflex (22.5 lbs or 10.21 kg). To each half pail of Dryflex add 1/4 of a bag (approximately 22.5 lbs or 10.21 kg) of fresh, lump-free Type I or Type II Portland cement. Add the cement slowly and mix thoroughly. Additional water may be added to the Dryflex mixture to achieve a workable consistency. Up to 950 ml (1 qt) of water may be added. DO NOT OVER-WATER THE DRYFLEX MIXTURE AS THIS WILL DEGRADE THE PERFORMANCE OF THE PRODUCT. Allow the mixture to set for five (5) minutes. Re-mix and temper by adding a small amount of water to achieve the desired workability.

Application
- Adhesive - Using a stainless steel trowel, apply a full coating of Dryflex mixture at least 3.2 mm (1/8") thick to the approved substrate. After application, place the trowel flat on the wet surface of the Dryflex mixture and pull the trowel away to produce stipples on the surface. Immediately press the insulation board into the wet Dryflex and slide into position. Do not allow the Dryflex mixture to form a skin before positioning the insulation board on the substrate. Do not allow the Dryflex mixture to get into the board joints.
- Base Coat - Using a stainless steel trowel, apply the Dryflex mixture to the surface of the insulation board to a uniform thickness of approximately 2.4 mm (3/32") Immediately place the reinforcing mesh against the wet Dryflex mixture. With the curve of the mesh against the wall, trowel from the center to the edges, avoiding crinkles, until the mesh is fully covered and not visible. The overall minimum base coat thickness shall be sufficient to fully embed the reinforcing mesh. The recommended method is to apply the base coat in two (2) passes.
- Hydrostatic Water Resistant Coating - Using a stainless steel trowel or proper spray equipment, apply the Dryflex mixture to a uniform thickness of at least 3.2 mm (1/8") thick. A second coat may be necessary to seal the substrate.

Clean Up - Clean tools with water before Dryflex mixture has set.

Storage
Dryflex must be stored at 4 °C (40 °F) or above in tightly sealed container out of direct sunlight.

Cautions and Limitations
Clean potable water may be added to adjust workability. Do not add water until after the cement is thoroughly mixed. Do not overwater. Use only Type I or Type II gray or white Portland cement.

Technical and Field Services
Available upon request.

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Printed in USA R4:6-6-01