

DRYFLEX

An acrylic co-polymer, water resistant adhesive and base coat



PRODUCT DESCRIPTION

Dryflex is a high percentage acrylic co-polymer material, which is mixed with Portland cement to produce a water resistant base coat and adhesive. It is white in colour before adding cement.

FEATURES & BENEFITS

FEATURE	BENEFIT
• Acrylic based polymer	Excellent durability and adhesion to EPS and common substrates
• Fibre reinforced	Crack resistant
• Versatile	Mix to a variety of working consistencies
• Special filler blend	Excellent trowelling properties.

TYPICAL SUBSTRATES

- High density expanded polystyrene.
- Extruded polystyrene.
- Concrete.
- Unglazed Brick.
- Lightweight Block or aerated autoclaved concrete.
- Lightweight steel or timber framed structures using appropriate sheathing boards.
- Sheathing boards - various

DS.EN.04.50.11



USES

The Dryflex mixture is especially suited for areas of anticipated high moisture activity such as below grade, sill and slope applications. It may also be used as an adhesive to attach extruded or high density expanded polystyrene for below grade applications and as a hydrostatic water resistant base coat applied to sheathings, concrete or other approved substrates.

PACKAGING

19 kg plastic pail.

COVERAGE (MIXED PRODUCT)

6.7 - 7.6 m² per pail used as a water resistant adhesive

10 - 11.3 m² as a water resistant base coat applied at 2.4 mm thickness

6.7 - 7.6 m² as a hydraulic water resistant coating applied at 3.2 mm thickness

Note: The actual coverage largely depends on the type of surface, its preparation and flatness, the method of application and the experience of the contractor.



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SUBSTRATE PREPARATION

Surfaces must not be below 4°C or painted and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds. Prior to starting reinforcing mesh embedment, the surface of the EPS boards shall be inspected for surface degradation (discoloration) due to weathering and flatness using a minimum 2.4 m straight edge. Rasp any visible discoloration, irregularities greater than 1.5 mm or out-of-plane board joints to provide a uniform and smooth surface. All EPS dust and loose beads shall be removed prior to base coat application.

MIXING

Thoroughly premix the Dryflex using a slow speed drill (400–500 rpm) and paddle. Into a clean plastic container, pour half of the freshly mixed Dryflex 9.5 kg. To each half pail of Dryflex add 9.5 kg of fresh, EN 197-1 type CEM I or CEM II Portland cement (well under half a bag). Additional water may be added to achieve workable consistency. Allow the mixture to set for 5 minutes. Re-mix and temper by adding a small amount of water to achieve the desired workability. Do not over water the mixed Dryflex as this will degrade the performance and durability of the product.

JOB CONDITIONS

At the time of application and during the next 24 hours, air and substrate temperature may not drop below +5°C. The Dryflex should be protected against water during this time. Avoid work in direct sunlight and windy conditions.

APPLICATION METHOD

Adhesive

Using a stainless steel trowel, apply a full coating of Dryflex mixture at least 3.2 mm 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 mixture 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 mixed Dryflex to the entire surface of the insulation board to a uniform thickness of 2.4 mm. Immediately place the reinforcing mesh against the wet Dryflex mixture and with the curve of the mesh against the wall, trowel from the centre to the edges avoiding wrinkles, until the mesh is fully embedded and not visible. The overall thickness shall be sufficient to fully embed the reinforcing mesh. The recommended method is to apply the base coat in two 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 thick. A second coat may be necessary to seal the substrate.

DRYING TIME

Approx. 24 h, at +20°C and 55% relative humidity. Drying time at lower temperatures or higher relative humidity, in particular during autumn and winter months, may be significantly longer. Being a cementitious product, the Dryflex mixture will develop full strength in 28 days.

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STORAGE

Dryflex must be stored at 4°C or above in tightly sealed containers protected from weather and out of direct sunlight.

CAUTION AND LIMITATIONS

Clean potable water may be added to adjust workability. Do not add water until after the cement is thoroughly mixed. Do not over water.

Use only EN 197-1 type CEM I or CEM II Portland cement.

Dryflex mixture shall not be used to adhere EPS directly to wood base substrates.

Mixing paddles and pails must be clean. Contamination from previous mixing will lead to a short pot life.

CLEANING

All equipment must be washed with clean water immediately after use. Disposal must be in accordance with local and national legislation and must not be emptied into drainage systems.

HEALTH AND SAFETY

Refer to the product Safety Data Sheet.

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