

SHIELDIT™ BASE COATS

DSC877

ShieldIt 1st Coat (Grey) – 2nd Coat (White) – Admixture
Acrylic-modified, fibre-reinforced base and leveling coats

Description

Dryvit's ShieldIt Base Coats are acrylic polymer-modified products, which are mixed in a proprietary ratio to produce the two composite base coats for:

- Dryvit's ShieldIt warranty program, warding off woodpeckers; and
- Improving **point-impact resistance**, such as on pedestrian wall areas, and decorative EIFS trim.

The components are as follows:

1. ShieldIt 1st Coat (Grey): mixed with ShieldIt Admixture, is the 1st base coat (grey); could be referred to as the "scratch" or "screed" coat; and
2. ShieldIt 2nd Coat (White): mixed with ShieldIt Admixture is the 2nd base coat (white); could be referred to as the "level" or final "skim" coat.
3. ShieldIt Admixture: mixed with 1st Coat & 2nd Coat.

Each product provides a medium-build, base coat overtop of existing EIFS lamina, or reinforced base coat.

Uses

The ShieldIt Base Coats are used with new Dryvit EIFS, or over existing EIFS, to provide a layer of protection against damage from woodpeckers and similar pests. The combination of the two ShieldIt Base Coat layers changes the surface characteristics to deter woodpeckers from pecking their way through an EIFS lamina.

Coverage

ShieldIt 1st and 2nd Coats are supplied in 22.7 kg (50 lb.) bags. Each bag is mixed with 4.75 L (1.23 US gallons) of ShieldIt Admixture, yielding approximately:

1. ShieldIt 1st Coat (Grey); 6.5-7.0 m² (70-75 ft²) of surface area per 22.7 kg (50 lb.) bag; and
2. ShieldIt 2nd Coat (White); 7.0-7.5 m² (75-80 ft²) of surface area per 22.7 kg (50 lb.) bag.

Each pail of ShieldIt Admixture is 19L (5 US gallons), enough admixture for 4 bags of either ShieldIt 1st Coat and/or 2nd Coat. The coverage for application on decorative profiles is dependent upon the surface of the substrate and the thickness of the application.

PROPERTIES

Working Time

After mixing, the working time of the ShieldIt Base Coats is approximately 1 hour, depending on ambient conditions.

Drying Time

The drying time of the ShieldIt Base Coats is dependent upon the air temperature and relative humidity. Under average drying conditions [21°C (70°F), 55% R.H.], the mixture will dry in 24 hours. Protect work from rain for at least 24 hours. Being cementitious products, the ShieldIt Base Coats will develop full strength in 28 days.

Application Procedure

FOR COMPLETE APPLICATION INSTRUCTIONS, REFER TO APPROPRIATE DRYVIT SHIELDIT APPLICATION INSTRUCTIONS.



Testing Information

For individual test data on the products' properties, please contact Dryvit's Technical Services Department.

Job Conditions

Air and surface temperatures for the application of the ShieldIt Base Coats must be 4°C (40°F) or higher and must remain so for a minimum of 24 hours.

Temporary Protection

Shall be provided at all times until the adhesive, base coat, finish and installation of permanent flashings, sealants, etc. are complete to protect the wall from inclement weather and other sources of damage.

Acceptable Substrates

- Existing EIFS lamina (reinforced base coat and finish) that is clean, dry, and in good serviceable condition – including decorative EIFS trim, profiles and mouldings; or
- Upon consultant with Dryvit, and with permission of the Authority Having Jurisdiction, on new Dryvit EIFS, overtop the reinforced base coat, prior to the finish coat application.

Surface Preparation

- Surfaces must be 4°C (40°F) or higher and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.
- The substrate shall be flat within 6.4 mm (1/4 in) in a 1.2 m (4 ft) radius.

Mixing

Thoroughly mix the ShieldIt Base Coats. Into a clean plastic container, pour 4.75L (1.23 US gallon) of ShieldIt **Admixture**, then add 1/3 of a bag of the required ShieldIt **1st Coat** or **2nd Coat**. Add it slowly and mix thoroughly for 1-2 minutes using a ½" (13mm) chuck, 7 amp power drill (500 rpm) with a twisty-type mixing paddle. After mixing the first portion, add the next 1/3 bag and mix for 1-2 minutes, then add last 1/3 bag, mixing for another 2-3 minutes. Additional water may be added to the mixture prior to the false set. **DO NOT OVERWATER THE MIXTURE AS THIS WILL DEGRADE THE PERFORMANCE OF THE PRODUCT.** Allow the mixture to achieve a false set, leaving it undisturbed for 5-8 minutes, then remix for 1-2 minutes and apply the product.

Application

The ShieldIt **1st Coat** is rendered, and allowed to dry until it is firm-to-the-touch, and then the ShieldIt **2nd Coat** is rendered and left to cure for at least 24 hours, prior to finish. Each base coat contains a proprietary aggregate that assists in governing the thickness of each coat. Apply each coat at a wet film thickness that results in a dry film thickness of 3.2 mm (1/8 in) nominal for the combination of both base coats.

Do not render the ShieldIt **2nd Coat** until the ShieldIt **1st Coat** is dry and firm to the touch (may be less than 24 hours). Allow the ShieldIt **2nd Coat** to dry at least 24 hours prior to rendering the finish coat.

Clean Up

Clean tools with water while the mixture is still wet.

Storage

- ShieldIt **Admixture** (pails) must be stored at 4 °C (40 °F) or above in tightly sealed containers out of direct sunlight.

- ShieldIt **1st Coat** and **2nd Coat** (bags) must be stored under cover, and kept dry (use plastic sheet protection to prevent moisture absorption through the packaging).

Cautions and Limitations

- Use only ShieldIt **Admixture** with the ShieldIt **1st & 2nd Coats**.
- Clean potable water may be added to adjust workability. Do not add water until after the cement is thoroughly mixed. Do not overwater.
- Substrate and air temperatures must be 4°C (40°F) or higher and rising at time of application.
- Avoid working in direct sunlight and keep product mixed in the shade.
- Do not use ShieldIt Base Coats as an EIFS base coat; it is not designed to be a used as a reinforced base coat (i.e., with glass fibre reinforcing mesh embedded into the base coat).

Technical and Field Services

Available on request.