



# APPLICATION INSTRUCTIONS

## SHIELDIT™ BASE COATS

A 2-Pass Base Coat Which Improves Impact  
Resistance and Provides Protection From  
Woodpecker Damage for EIFS Substrates

DS851

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## 1. TOOLS REQUIRED FOR APPLICATION OF SHIELDIT BASE COATS

1. 4 prong “Twister” mixing paddle
2. 7-amp power mixing drill
3. Stainless steel trowel or darby – sized to suit application
4. Stainless steel hawk – sized to suit application
5. Stainless steel margin trowels – sized to suit application
6. Corner trowels (inside and outside), nominal 1.5 in (38 mm)

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## 2. SUBSTRATE INSPECTION

1. Prior to installing the ShieldIt Base Coats, inspect the application surface to ensure that it is of the type and condition listed below.
  - a. Sound, clean dry and free of any material that could interfere with the adhesion of the ShieldIt Base Coats.
  - b. Recommended surfaces:
    - 1) Existing Exterior Insulation and Finish System lamina and new Dryvit Outsulation® system reinforced base coat, prior to application of finish.

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## 3. SURFACE PREPARATION

1. Exterior Insulation and Finish Systems
  - a. Existing EIFS:
    - 1) Requires the lamina (reinforced base coat and finish) to be in serviceable condition. The reinforcing mesh must be totally embedded in the EIFS base coat.
    - 2) At locations where there is damage to the existing lamina (from woodpeckers, or similar), repair the insulation and lamina as per DryvitCare™ EIFS Repair Procedures, DS498.
2. New EIFS requires that the reinforced base coat be fully dried (a minimum of 24 hours depending on weather conditions).

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## 4. MIXING INSTRUCTIONS

1. ShieldIt 1st Coat and 2nd Coat:
  - a. Open the bucket using a utility knife or lid-off.
  - b. Follow mixing instructions on the pail or as described in current product data sheet, DS850.
2. Dryvit Finish
  - a. Refer to the associated product data sheet for the Dryvit finish selected for application over the ShieldIt Base Coats.

**Warning: No additives such as sand, aggregates, rapid binders, anti-freeze, accelerators, etc, shall be added to any Dryvit materials under any circumstances. Such additives will adversely affect the performance of the material and void all warranties.**

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## 5. APPLICATION CONDITIONS

1. Air and surface temperatures for application of the ShieldIt Base Coats must be between 40 oF (4 oC) and 100 oF (38 oC) and must remain so for a minimum of 24 hours.
2. Base Coats must be properly mixed as described on the container or on current product data sheets.
3. Allow the applied ShieldIt Base Coats sufficient time to dry. The drying time is dependent upon the air temperature and relative humidity. Under average drying conditions [70 oF (21 oC), 55% RH], the product will dry in 24 hours.

**Note: It is very important that the wall surface be finished smooth and planar prior to installation of the finish. If unacceptable irregularities are present, they must be corrected. If sanding is required, care should be taken to avoid damaging the nominal thickness of the ShieldIt Base Coats.**

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## 6. SHIELDIT BASE COAT APPLICATION

1. Using a stainless-steel trowel, apply the ShieldIt Base Coats to a uniform thickness that provides a surface sufficiently smooth and planar to provide a reasonably plumb surface to receive the finish coat.
2. Mix ShieldIt 1st Coat (dark grey) with Portland cement, as outlined in DS850, then apply the product at a consistent rate allowing the larger aggregates to gauge the thickness of this first ShieldIt Base Coat. Let dry.
3. Mix ShieldIt 2nd Coat (light grey) with Portland cement, as outlined in DS850, then apply the product at a consistent rate, consolidating the composite base coat to a reasonably plumb surface. Let dry.
4. The nominal dry thickness of combined ShieldIt Base Coats should be 1/8 in (3.2 mm). Coverage will vary, refer to DS850 for further information on coverage.

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## 7. CAUTIONS AND LIMITATIONS

1. ShieldIt Base Coats are similar to Dryvit polymer modified base coats, however, the nature of the aggregates creates a keying to interlock the two base coats into a composite layer which provide resistance to potential impact damage caused by woodpeckers. The user should consider these characteristics when specifying these products.
2. Clean potable water may be added to adjust workability. Do not add water until after the cement is thoroughly mixed. Do not overwater.
3. Avoid working in direct sunlight and keep product in the shade.
4. Do not use ShieldIt Base Coats as an EIFS base coat; it is not designed to be used as a reinforced base coat (i.e., with glass fiber reinforcing mesh embedded into the base coat).

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