

ROXSULATION[®] SYSTEM



DUK628

An Exterior Wall Insulation and Finish System

Roxsulation System Application Instructions

I. PRE-APPLICATION INSPECTION

A. Roofs

1. Ensure that the roof has positive drainage, i.e.: crickets or saddles.

B. Substrates

1. Prior to installation of the Roxsulation - S or Roxsulation - L System, check the substrate to insure that:
 - a. It is a type listed in the Roxsulation Specification, DUK626
 - b. It is structurally sound, free of crumbling or loose material, voids, projections, etc.
 - c. There are no planar irregularities great than 6.4 mm (1/4") within any 1.2 m (4'-0") radius.
 - d. The substrate complies with all contract documents.

C. Utilities

1. Provisions must be made to ensure that the system terminates properly at lighting fixtures, electrical outlets, hose bibs, etc. Refer to the Roxsulation - S or Roxsulation - L Installation Details, DUK624S or DUK624L, respectively.

Notify the General Contractor and/or Architect and/or Owner of all discrepancies. DO NOT PROCEED UNTIL ALL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

II. INSULATION BOARD ATTACHMENT

A. Insulation Board

1. Prior to installation of the insulation board, it shall be checked to ensure:

a. It meets the following tolerances:

- 1) Thickness ± 1.6 mm (1/16 in)
- 2) Width: ± 3.2 mm (1/8 in)
- 3) Length ± 3.2 mm (1/8 in)
- 4) Squareness: 2.2 mm (3/32 in)

WARNING: Any Insulation Board not meeting the above requirements should be rejected and not installed.

b. Insulation boards must be kept dry at all times both in storage and during application.

c. Insulation boards shall be installed with joints staggered.

d. When installing insulation boards over sheathing, ensure the insulation board joints are offset from the sheathing joints a minimum of 200 mm (8 in).

B. Accessory Installation

1. Starter Profile shall be installed at the base of walls and heads of all penetrations prior to installing the insulation board.

C. Adhesive

1. Genesis

a. Mixing Instructions

- 1) Thoroughly pre-mix the Genesis material.
- 2) Pour 1/2 of the freshly mixed genesis 13.5 kg (30 lbs) into a clean 19 L (5 gal) plastic container.
- 3) Add 0.95 L (1 qt) of clean potable water and 1/3 of a bag [approximately 13.5 kg (30 lbs)] of fresh lump free Type I or II Portland cement. Add cement slowly and mix thoroughly. Additional water may be added to adjust workability.
- 4) Let mix set for 5 minutes. Retemper, adding a small amount of water, if necessary.

Note: The Genesis mixture has a pot life similar to any Portland cement material. Mix only as much material as can be conveniently used during a work period.

Warning: No additives such as sand, aggregates, rapid binders, antifreeze, 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.

b. Application

- 1) Ensure that the temperature of the wall surface is not below 4 °C (40 °F). The Genesis base coat may only be applied when both the surface and ambient temperature is 4 °C (40 °F) and above and must remain so for a minimum of 24 hours. If these conditions do not exist, supplemental heat must be provided.
- 2) Using a stainless steel trowel, apply a coat of the Genesis mixture over the entire back side of the insulation board.
- 3) Use a minimum 13 mm (1/2 in) deep by 10 mm (3/8 in) wide notch trowel to scrape the excess adhesive from between the adhesive beads. This is accomplished by applying firm pressure to the insulation board while holding the trowel at a 45° angle.

NOTE: Do not apply the Genesis mixture on the substrate. The Genesis mixture must be applied to the insulation board.

D. Mechanical Fixings

1. The following mechanical fixings are acceptable for securing the insulation board to the substrate:
 - a. IZ Expansion Insulation Fastener used with IZ-T Insulation Plate [minimum 98 mm (3 7/8 in) diameter plastic plate] manufactured by Hilti for use over a concrete substrate.
 - b. IDP Insulation Fastener used with the IDT Insulation Plate [minimum 90 mm (3 1/2 in) diameter plastic plate] manufactured by Hilti for use over a concrete substrate.
 - c. IZ Expansion Insulation Fastener with corrosion resistant screw used with IZ-T Insulation Plate [minimum 98 mm (3 7/8 in) diameter plastic plate] manufactured by Hilti for use over a steel stud backup frame.
- E. Application of Reinforcing Mesh used for back wrap
 1. Cut the Detail Reinforcing mesh to a working length allowing for a 64 mm (2 1/2 in) minimum overlap.
 2. Apply a ribbon of the Genesis mixture on the substrate and embed the Detail mesh into the wet mixture. Keep the mesh that is not embedded, clean.

NOTE: Backwrapping is required at all terminations
- F. Application of Insulation Board
 1. Roxsulation - S System utilizing mineral wool slabs
 - a. Apply the Genesis mixture to the mineral wool as described in Section II.C.1.b
 - b. After applying the Genesis mixture on the backside of the insulation board, position the board horizontally on the substrate.
 - c. Press the board gently to the substrate and slide it into position. Apply firm pressure over the entire surface of the board to ensure uniform contact.
 - d. Apply mechanical fixings in a pattern as shown in the Roxsulation - S System Details, DUK624S. Do not over drive the fasteners, the face of the washer should sit flush to a maximum of 1.6 mm (1/16 in) beneath the surface of the insulation board causing a slight dimple at each fastener location.
 - e. Install the mineral wool insulation in a running bond pattern staggering the vertical joints. Ensure that the insulation board edges are butted tightly
 - f. With factory edges exposed, stagger vertical joints at inside and outside corners. Be sure the corner is straight and plumb.
 - g. Tightly butt all insulation boards. Any gaps must be slivered.
 - h. Windows, Doors, Mechanical Equipment and all wall penetrations
 - 1) At penetrations, align the insulation boards so that the edges do not coincide with the corner of the opening. This will help minimize the potential for cracking (refer to the Roxsulation Installation Details DUK624S).
 - 2) Hold back the insulation board from the window/door frame or mechanical equipment to allow for differential movement. Refer to the Roxsulation Installation Details, DUK624S.
 - i. Expansion Joints
 - 1) When abutting dissimilar materials the Detail Mesh is used to construct the required expansion joint. The Detail Mesh shall be attached to the substrate as described in Section II.E.2.
 - 2) When the Roxsulation System is installed at a substrate transition, the Detail Mesh is used to construct the expansion joint. The Detail Mesh shall be attached to the substrate as described in Section II.E.2.
 - Warning: Ensure that the insulation board is protected from the elements both before and during application.**
 - j. In the event of rain after the insulation has been installed, allow the insulation board to air dry before applying the Genesis base coat.
 2. Roxsulation - L System utilizing mineral wool Lamella
 - a. Apply the Genesis mixture to the mineral wool as described in Section II.C.1.b
 - b. After applying the Genesis mixture on the backside of the insulation board, position the board horizontally on the substrate.
 - c. Press the board gently to the substrate and slide it into position. Apply firm pressure over the entire surface of the board to ensure uniform contact.
 - d. Apply mechanical fixings in a pattern as shown in the Roxsulation - L System, Details DUK624L. Do not over drive the fasteners, the face of the washer should sit flush to a maximum of 1.6 mm (1/16 in) beneath the surface of the insulation board causing a slight dimple at each fastener location.
 - e. Install the mineral wool insulation in a running bond pattern staggering the vertical joints. Ensure that the insulation board edges are butted tightly.
 - f. With factory edges exposed, stagger vertical joints at inside and outside corners. Be sure the corner is straight and plumb.
 - g. Tightly butt all insulation boards. Any gaps must be slivered.
 - h. Windows, Doors, Mechanical Equipment and all wall penetrations

- 1) At penetrations, align the insulation boards so that the edges do not coincide with the corner of the opening. This will help minimize the potential for cracking (refer to the Roxsulation Installation Details, DUK624L).
 - 2) Hold back the insulation board from the window/door frame or mechanical equipment to allow for differential movement. Refer to the Roxsulation Installation Details, DUK624L.
- i. Expansion Joints
- 1) When abutting dissimilar materials, the Detail Mesh is used to construct the required expansion joint. The Detail Mesh shall be attached to the substrate as described in Section II.E.2.
 - 2) When the Roxsulation System is installed at a substrate transition, the Detail Mesh is used to construct the expansion joint. The Detail Mesh shall be attached to the substrate as described in Section II.E.2.
- Warning: Ensure that the insulation board is protected from the elements both before and during its application.**
- j. In the event of rain after the insulation has been installed, allow the insulation board to air dry before applying the Genesis base coat.

III. INSTALLATION OF REINFORCING MESH

- A. Dryvit Reinforcing Mesh is available in the following weights, widths and lengths: Refer to information below for recommended uses.
1. Standard™: 146 g/m² (4.3 oz/yd²): 1.2 m x 46 m (48 in x 50 yds) or 1.8 m x 46 m (72 in x 50 yds)
 2. Standard Plus™: 203 g/m² (6.0 oz/yd²): 1.2 m x 46 m (48 in x 50 yds)
 3. Intermediate®: 407 g/m² (12 oz/yd²): 1.2 m x 22.86 m (48 in x 25 yds)
 4. Panzer® 15: 509 g/m² (15 oz/yd²): 1.2 m x 22.86 m (48 in x 25 yds)
 5. Panzer® 20: 695 g/m² (20 oz/yd²): 1.2 m x 22.86 m (48 in x 25 yds)
 6. Corner: 244 g/m² (7.2 oz/yd²): 235 mm x 46 m (9-1/4 in x 50 yds)
 7. Detail: 146 g/m² (4.3 oz/yd²): 241 mm x 46 m (9-1/2 in x 50 yds)
- B. Prior to applying the Genesis mixture, inspect the wall surface and correct any irregularities.
- Warning: All irregularities must be corrected prior to installing the base coat.**
1. Check the wall to be certain that the insulation board and mechanical fixings have been properly installed. Specifically check that:
 - a. Mechanical fixings are installed correctly and properly spaced.
 - b. All insulation boards are tightly butted.
- C. Temperature for application of the Genesis mixture must be 4 °C (40 °F) or higher and must remain so for a minimum of 24 hours.
- D. Protect all surrounding areas and surfaces.
- E. Mix the Genesis material as outlined in Section III.C.1.a.
- F. Application of Genesis Mixture
1. All Detail mesh, which was previously installed for backwrapping the insulation board, shall be embedded in the Genesis mixture at this time.
 2. With a stainless steel trowel, apply the Genesis mixture to the edge and face of the insulation board and embed the Detail mesh in the wet mixture.
 3. Corners of all openings such as windows, doors and mechanical equipment shall be reinforced with additional pieces of Detail mesh 241 mm x 305 mm (9 1/2 in x 12 in) placed diagonally to the opening.
- G. Standard base coat (single layer of reinforcing mesh) for Standard, Standard Plus, or Intermediate Reinforcing Mesh.
1. Mix the Genesis material as described in Section II.C.1.a.
 2. Using a stainless steel trowel, apply the Genesis mixture on the entire surface of the insulation board to an area slightly larger than the width and length of a piece of reinforcing mesh in a uniform thickness of approximately 2.2 mm (3/32 in).
- NOTE: It is acceptable to install the reinforcing mesh either vertically or horizontally.**
3. Immediately place the reinforcing mesh against the wet Genesis mixture. With the curve of the mesh against the wall, trowel from the center to the edges avoiding wrinkles until the mesh is fully covered and bare mesh is not visible. The overall minimum base coat thickness shall be sufficient to fully embed the reinforcing mesh.
- NOTE: The recommended method is to apply the base coat in two (2) passes.**
4. The reinforcing mesh shall be continuous at corners and lapped not less than 64 mm (2-1/2 in) at mesh edges.
 5. Do not lap the reinforcing mesh within 200 mm (8 in) of any corner. This is required for both inside and outside corners.
- TIP: Corners and edges normally require light strokes with a small damp brush to smooth out irregularities**

NOTE: Sometimes corners require additional impact resistance. We suggest the use of Dryvit's Corner Mesh. This mesh should be installed prior to installing the overall reinforced Genesis base coat. As always, ensure that the Corner Mesh is completely embedded in the Genesis mixture.

6. Protect completed work from water penetration and run-off.
 7. Allow the base coat to cure a minimum of 24 hours.
 8. After final cure of the Genesis base coat (24 hours minimum) the wall shall be inspected by the applicator and corrected, if necessary, to ensure that there are no trowel marks, peaks, or valleys. Any efflorescence must be washed off the wall surface using a masonry cleaner such as Sure Klean 600 mixed one (1) part detergent to twenty (20) parts water, flushed with clean water and allowed to completely dry.
 9. Exposed edges, such as those, which will be flashed after the Dryvit finish is applied, shall be temporarily protected from the weather.
- H. Double Mesh Base Coat (Panzer 15 or Panzer 20 used in conjunction with Standard or Standard Plus Reinforcing Mesh)
1. Using a stainless steel trowel, apply the Genesis mixture on the entire surface of the insulation board to an area slightly larger than the width and length of a piece of Panzer mesh to a uniform thickness of approximately 3.2 mm (1/8 in).
 2. Immediately place the Panzer mesh against the wet Genesis mixture. With the curve of the mesh against the wall, trowel from the center to the edges until the bare mesh is fully covered and not visible.
CAUTION: Do not lap Panzer mesh; it shall be butted tightly.
 3. Protect completed work from water penetration and run-off.
 4. Allow the Panzer base coat to cure a minimum of 24 hours prior to applying Dryvit's Standard or Standard Plus reinforcing mesh.
 5. Apply the second layer of reinforcing mesh in accordance with Section III.G.1 through 7; however be sure to offset the edges of the standard or standard plus mesh from the edges of the Panzer mesh a minimum of 64 mm (2-1/2 in).
Tip: If Panzer Mesh is installed horizontally, we recommend the Standard or Standard Plus Mesh be installed vertically or vice versa.
 6. After final cure of the Genesis base coat (24 hours minimum) the wall shall be inspected by the applicator and corrected, if necessary, to ensure that there are no trowel marks, peaks, or valleys. Any efflorescence must be washed off the wall surface using a masonry cleaner such as Sure Klean 600 mixed one (1) part detergent to twenty (20) parts water, flushed with clean water and allowed to completely dry.
 7. Exposed edges, such as those which will be flashed after the Dryvit finish is applied, shall be temporarily protected from the weather.

IV. APPLICATION OF THE DRYVIT FINISH

- A. The following Dryvit finishes are available for use as part of the Roxsulation System.
1. Standard DPR (Dirt Pick-up Resistant) Finishes
 - a. Quarzputz[®], Sandblast[®], Sandpebble[®], Sandpebble Fine, and Freestyle[®].
 2. Elastomeric DPR (Dirt Pick-up Resistant) Finishes
 - a. Weatherlastic[®] Quarzputz, Weatherlastic Sandpebble, Weatherlastic Sandpebble Fine, Weatherlastic Adobe[®], and Weatherlastic Smooth[™].
 3. Medallion Series PMR[™] (Proven Mildew Resistance)
 - a. Quarzputz, Sandblast, Sandpebble, Sandpebble Fine, Freestyle, and Demandit[®].
 4. Specialty Finish
 - a. Ameristone[™] and Stone Mist[®]
 5. Coatings, Primers, and Sealers
 - a. Revyvit[®], Color Prime[™], Prymit[®], and SealClear[™]
- B. Prior to applying the Dryvit finish on the base coat, the base coat shall have cured a minimum of 24 hours and shall be dry and hard before finish is applied. Cure time may be longer depending on environmental conditions.
- C. Inspect the base coat for any irregularities such as trowel marks, board lines, rough corners and edges, and for proper reinforcing mesh embedment.
NOTE: Correct all irregularities prior to applying the Dryvit finish.
- D. Application
1. General
 - a. Important: All Dryvit finishes must be installed continuously to a natural break such as corners, expansion joints, or tape line. Mechanics must maintain a wet edge. Sufficient personnel and scaffolding must be provided to continuously finish a distinct wall area or otherwise cold joints will result. Scaffolding must be spaced a minimum of 460 mm (18 in) from the wall to prevent staging lines. On hot windy days, the wall may be fogged with clean potable water to cool the wall and facilitate finish

installation. As with other plaster materials, installation work should precede the sun. For example, work the shady or cool side of the building. If this is not possible, scaffold should be shaded with tarp or nursery shade cloth. Do not introduce water to the finish material once it is installed on the wall. This will cause color variations. Each mechanic must use the same type tool and hand motion to match the texture of the mechanics above, below and on each side. Use finish from a single batch number whenever possible.

2. Quarzputz, Sandblast, and Weatherlastic Quarzputz
 - a. Thoroughly mix the factory prepared Dryvit finish with a Wind-lock B-M1 mixing blade or equivalent powered by a 13 mm (1/2 in) variable speed drill. A small amount of clean potable water may be added to adjust workability. **Always add the same amount of water to each pail within a given lot.** Mix until a uniform consistency is attained.
 - b. Using a clean stainless steel trowel, apply a coat of the Dryvit finish in a uniform thickness on the dry base coat.
NOTE: The Dryvit Quarzputz finish shall be applied and leveled to a uniform thickness no greater than the largest aggregate.
CAUTION: Do not apply finish in sealant joints. Refer to Section V for proper preparation of sealant joints.
 - c. The texture is achieved by uniform hand motion and/or tool that produces the texture to match the approved sample. Each mechanic must use the same tool and hand motion to ensure that the texture achieved is uniform over the entire wall area.
3. Sandpebble, Sandpebble Fine, Weatherlastic Sandpebble, and Weatherlastic Sandpebble Fine
 - a. Mix the Dryvit finish as described in Section IV.D.2.a.
 - b. Using a clean, stainless steel trowel, apply an even coat of the finish to a thickness slightly thicker than the largest aggregate size.
 - c. Pull across using a horizontal trowel motion to develop a uniform thickness no greater than the largest aggregate of the material.
CAUTION: Do not apply finish in sealant joints. Refer to Section V for proper preparation of sealant joints.
 - d. The texture is achieved by a uniform hand floating motion with a clean stainless steel trowel; wipe the trowel and wet it lightly. Apply light pressure in a circular motion.
4. Freestyle
 - a. Mix the Dryvit finish as described in Section IV.D.2.a
 - b. Using a clean, stainless steel trowel, apply the Freestyle finish on the base coat in a thickness greater than 1.6 mm (1/16 in). The texture is either pulled out of this base to a thickness of no greater than 6.4 mm (1/4 in), or the texture may be achieved by adding more Freestyle finish to the base coat using the same texturing motions that are used with other plaster materials - such as a skip trowel finish. Numerous other aesthetically pleasing textures can be created to match approved samples.
NOTE: The maximum thickness of any Freestyle finish texture shall not exceed 6.4 mm (1/4 in).
5. Weatherlastic Adobe
 - a. Color coordinated Color Prime shall be applied to the base coat prior to applying the Adobe finish.
 - b. Mix the Adobe finish material as described in Section IV.D.2.a.
 - c. Using a stainless steel trowel, apply a leveling coat of Adobe to the wall surface. Allow the Adobe finish to take-up.
 - d. Using a stainless steel trowel, apply a second coat of Adobe to obtain the desired texture.
TIP: An atomizing spray bottle may be used to apply a mist of water to the surface in the finishing step.
CAUTION: Do not apply Adobe finish in sealant joints. Refer to Section V for proper preparation of sealant joints.
6. Ameristone - Refer to DUK142 for complete application instructions.
 - a. Color coordinated Color Prime shall be applied to the base coat prior to applying the Ameristone finish.
 - b. Mix the Ameristone finish no more than 1 to 1 1/2 minutes to ensure uniformity using a Wind-lock B-M1 mixing blade or equivalent powered by a 13 mm (1/2 in) variable speed drill just prior to application.
 - c. Ameristone should only be applied by a skilled mechanic experienced in the spraying of aggregated finishes.
 - d. Apply Ameristone using a hopper gun or approved spray equipment. Apply two coats or passes (one horizontally, one vertically) to achieve uniformity.
CAUTION: Do not apply Ameristone in sealant joints. Refer to Section V for proper preparation of sealant joints.
 - e. Allow Ameristone to dry a minimum of 24 hours prior to applying Dryvit SealClear material.
 - f. Using an airless spray or low pressure hand pump garden-type sprayer, apply a liberal uniform coat of SealClear to the dry Ameristone.

g. Ameristone is a blend of natural aggregates and therefore a slight color variation may occur. Strict adherence to the Ameristone Application Instructions will minimize this effect. Refer to DUK142 for further instructions and tips for installing Ameristone.

7. Stone Mist - Refer to DUK420 for complete application instructions.

- a. Color coordinated Color Prime shall be applied to the base coat prior to applying the Stone Mist finish.
- b. Mix the Stone Mist finish no more than 1 to 1 1/2 minutes to ensure uniformity using a Wind-lock B-M1 mixing blade or equivalent powered by a 13 mm (1/2 in) variable speed drill just prior to application.
- c. Stone Mist should only be applied by a skilled mechanic experienced in the spraying of aggregated finishes.
- d. Using a stainless steel trowel, apply a tight coat of Stone Mist finish to the wall surface.
- e. While the trowel coat of Stone Mist finish is still wet, spray additional Stone Mist directly to the trowel coat until all small trowel lines are covered. Use a hopper gun or approved spray equipment.
- f. Using an airless spray or low pressure hand pump garden-type sprayer, apply a liberal uniform coat of SealClear to the dry Stone Mist.

CAUTION: Do not apply Stone Mist in sealant joints. Refer to Section V for proper preparation of sealant joints.

8. Demandit

- a. Mix the Demandit to a homogeneous consistency.
- b. Apply Demandit with either a brush, roller, or airless spray equipment.
- c. When applying Demandit with a roller, a maximum 19 mm (3/4 in) nap, polyester or polyester blend with nylon or lambs wool, with beveled ends and a phenolic core is recommended. A 460 mm (18 in) wide roller frame with a 57 mm (2-1/4 in) inside diameter is also recommended.
- d. Apply Demandit in one continuous coat, maintaining a wet edge as the application proceeds to a natural break. The roller cover must be kept fully loaded as the application proceeds.

CAUTION: Do not stretch out the application by rolling with a dry roller. The last leveling roller strokes should always be in the same direction. Do not cut in around openings prior to overall application, but rather, do the cut-in work as the application proceeds.

TIPS: Application of Demandit should always be done by an experienced, industrial or commercial painting contractor. Porous surfaces may require two coats to obtain a uniform appearance.

Changing color requires the application of two coats. Do not allow the Demandit to dry on roller covers. Roller covers with dried coating do not apply the coating evenly.

9. Weatherlastic Smooth

- a. Mix the Weatherlastic Smooth to a homogeneous consistency.
- b. Brush application
 - 1) Nylon bristle brush is recommended.
 - 2) For best performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied. This is achieved by applying the Weatherlastic Smooth in two (2) 11 mil coats, allowing a minimum of two (2) hours between coats.
- c. Roller Application
 - 1) A minimum 250 mm (10 in) roller cover with a 32 - 38 mm (1-1/4 - 1-1/2 in) nap is recommended.
 - 2) Completely saturate the roller cover and keep the roller loaded with coating to avoid foaming. Do not dry-roll or over-roll as this will cause excessive entrapment of air within the coating.
 - 3) For best performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied. This is achieved by applying the Weatherlastic Smooth in two (2) 11 mil coats, allowing a minimum of two (2) hours between coats.
- d. Spray Application
 - 1) Application by airless spray equipment or mastic pump and gun allows application of coating at total required application rate with a minimum of stipple or thickness variations.
 - 2) Equipment should have the capacity to pump 7.6 liters (2 gallons) of coating per minute.
 - 3) Material hose should be minimum 12 mm (1/2 in) I.D. for spraying coating more than a 15 m (50 ft) length. Minimum bursting of 3600 N (800 lbs) is recommended.

TIP: Orifice sizes of 0.53 mm - 0.81 mm (.021 - .032 in) will be required depending on equipment used.

- 4) Cross apply coating holding spray gun perpendicular to, and approximately 1 m (3 ft) from the wall surface. Avoid excessive material build-up by holding spray gun away from the wall when pulling the trigger, then bringing gun across area to be coated. Maintain a wet edge, and avoid starting and stopping in the middle of the wall. Do not attempt to overreach spray pattern as this may result in appearance of irregular spray pattern. Place scaffolding and equipment to facilitate quick application without numerous interruptions.
- 5) 10% loss from overspray should be anticipated.

- 6) Backrolling over-sprayed areas is recommended to control pinholing on spray applications over porous surfaces.
 - 7) For best performance, a minimum 11 mils dry film thickness (22 mils wet film thickness) shall be applied. This is achieved by applying the Weatherlastic Smooth in two (2) 11 mil coats, allowing a minimum of two (2) hours between coats.
10. Revyvit
- a. Mix the Revyvit to a homogeneous consistency.
 - b. Apply the Revyvit with a brush or 13 mm - 16 mm (1/2 in - 5/8 in) nap roller.
 - c. Roll or brush in multiple directions and then lightly finish in one direction to ensure that no lap marks remain.
 - d. A second coat may be required for heavy textured surfaces or when there is a high contrast of colors. Apply the second coat as described in paragraph b and c above.
- CAUTION: Do not attempt to apply Revyvit in one heavy coat. It is recommended to apply the material in two coats rather than one heavy coat. Apply the second coat only after the first coat is completely dry.**
- IMPORTANT: Texture changes will exist after Revyvit is installed over existing Dryvit Finishes. The degree of change is a function of the thickness and the number of coats of Revyvit.**

V. Sealant Joint Preparation

- A. All sealant joints shall be prepared with either Dryvit Demandit or Color Prime.
1. Stir Demandit or Color Prime to a smooth, homogeneous consistency.
 2. Apply Demandit or Color Prime with a brush on each side of the joint.
 3. Allow the Demandit or Color Prime to dry a minimum of 24 hours prior to sealing with recommended sealant as listed in DUK153.

VI. Maintenance

A. Surface Damage

1. Any breaches of the Dryvit surface should be repaired as soon as possible following the instructions listed in Section VII.

B. General Cleaning

1. Prewet the soiled area with clean water and wash with the following solution:
 - a. 3.8 L (1 gal) of clean, warm water.
 - b. 236 ml (1 cup) of Trisodium Phosphate (TSP).
2. Apply the cleaning solution using either a soft bristle brush or power washing equipment. When using a soft bristle brush, lightly scrub the area. **NOTE: USE OF HARD SCRUBBING ACTION OR A HARD BRISTLE BRUSH WILL DAMAGE THE FINISH.** When power washing, do not exceed 4136 kPa (600 PSI) at the spray tip or 49 °C (120 °F) solution temperature.
NOTE: Always use tips which provide at least 40° fan pattern and keep spray tip at least .6 m (2 ft) from the surface being cleaned. NEVER USE WATER BLASTING EQUIPMENT WHICH DELIVERS PRESSURES IN EXCESS OF 4136 kPa (600 PSI) AT THE SPRAY TIP. EROSION OR DAMAGE FROM WATER BLASTING OR IMPROPER POWER WASHING COULD VOID THE DRYVIT WARRANTY AND DAMAGE THE DRYVIT FINISH.
3. Thoroughly rinse the surface with clean water.
4. Alternate cleaning solutions are available from Sentry Chemicals, Max Products, ProSoCo and Surtec, which have been found to be effective in cleaning Dryvit surfaces. Follow manufacturer's instructions for application.

NEVER USE SOLVENT BASED CLEANERS AS SEVERE DAMAGE TO THE DRYVIT PRODUCTS CAN OCCUR. Contact Dryvit UK Ltd. if you have any questions.

C. Mildew or algae growth

1. Protect adjacent materials and vegetation.
2. Prewet the affected area with clean water and wash with the following solution:
 - a. 3.8 L (1 gal) of clean, warm water.
 - b. 236 ml (1 cup) of Trisodium Phosphate (TSP).
 - c. .95 L (1 qt) of household bleach.
3. Apply the cleaning solution and allow to stand 2-3 minutes. In some cases, the mildew or algae will be removed without the need for scrubbing.
4. Thoroughly rinse the surface with clean water.
5. An alternate method is to apply the cleaning solution as detailed in Section VI.B.2 above.
6. After treatment, rinse thoroughly with clean water.
7. Alternate cleaning solutions are available from Sentry Chemicals, Max Products, ProSoCo and Surtec which have been found to be effective in cleaning Dryvit surfaces. Follow manufacturers' instructions for application.

NEVER USE SOLVENT BASED CLEANERS AS SEVERE DAMAGE TO THE DRYVIT PRODUCTS CAN OCCUR.

VII. Repair Procedure

- A. Using a sharp utility knife, cut through and remove the lamina, exposing a neat uniform-sized area of insulation larger than the damaged area. Use a disk grinder or belt sander to remove the finish to expose the reinforced base coat approximately 75 mm (3 in) around the damaged area. Use an aluminum oxide disk or belt, 20 grit.
- B. Cut out all remaining insulation board carefully.
- C. Cut a piece of insulation board to fit tightly into the damaged area. Sand the edges of the insulation board for a precise fit.
- D. Fasten the insulation board to the substrate. Make sure that the new insulation board is flush with the surrounding insulation board.
- E. Precisely mask the surrounding area with masking tape. Cut the reinforcing mesh so that it will cover the patch area, lapping onto the original reinforced base coat a minimum of 64 mm (2 1/2 in).
- F. Apply the Genesis mixture on the face of the insulation board, taking particular care to keep the base material mixture off the surrounding original finish edge. Embed the reinforcing mesh in the wet base material mixture.
- G. Using a small damp brush, smooth out irregularities and feather the edge of the base material mixture. The reinforcing mesh must be totally embedded in the wet mix. When completed, the base coat should be recessed approximately 1.6 mm (1/16 in) from the existing finish coat. This will insure that when the finish is applied, the new finish will be level or on the same plane as the existing finish coat. Wait a minimum of 24 hours to allow the base coat to cure.
- H. If necessary, again, precisely mask the surrounding existing finish with masking tape.
 - I. Install the new finish over the patch area and texture to match the surrounding finish.
- J. Allow the finish to dry for a short period of time depending on weather conditions. Remove the masking tape.
- K. Feather the edges of the patch to blend inconspicuously with the surrounding texture. After the patch has dried, there may be a color variation between the patch and the surrounding area. This should become less noticeable as environmental conditions blend the areas together.

NOTE: The Dryvit finish should be ordered to match the original lot number shipped to the job; however exact matching cannot be guaranteed.

DISCLAIMER

Information contained in this specification conforms to standard detail and product recommendations for the installation of the Dryvit Roxsulation System products as of the date of publication of this document and is presented in good faith. Dryvit UK Ltd. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To insure that you are using the latest, most complete information, contact Dryvit UK Ltd., at

Unit 4, Wren Park
Hitchin Road
Shefford, Bedfordshire
SG17 5JD

Dryvit UK Ltd.
Unit 4, Wren Park
Hitchin Road
Shefford, Bedfordshire
SG17 5JD
01462 819555
www.dryvit.uk.co

