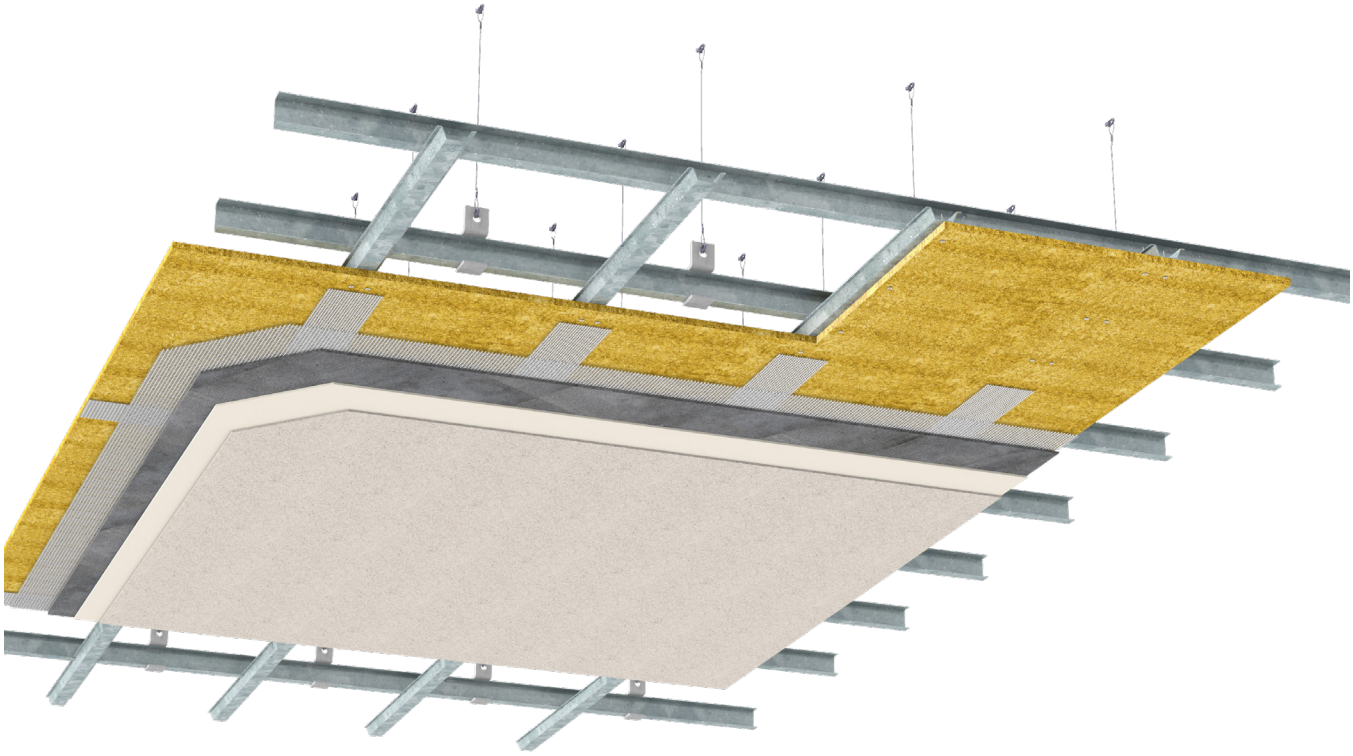
Durex®
Stucco Lite Soffit

Exterior / Interior Soffit Finishing System



Lightweight

Decorative Finish

Flexible

ECO-Friendly

Protect. Enhance. Outperform.

DURABOND 50 YEARS 1967–2017
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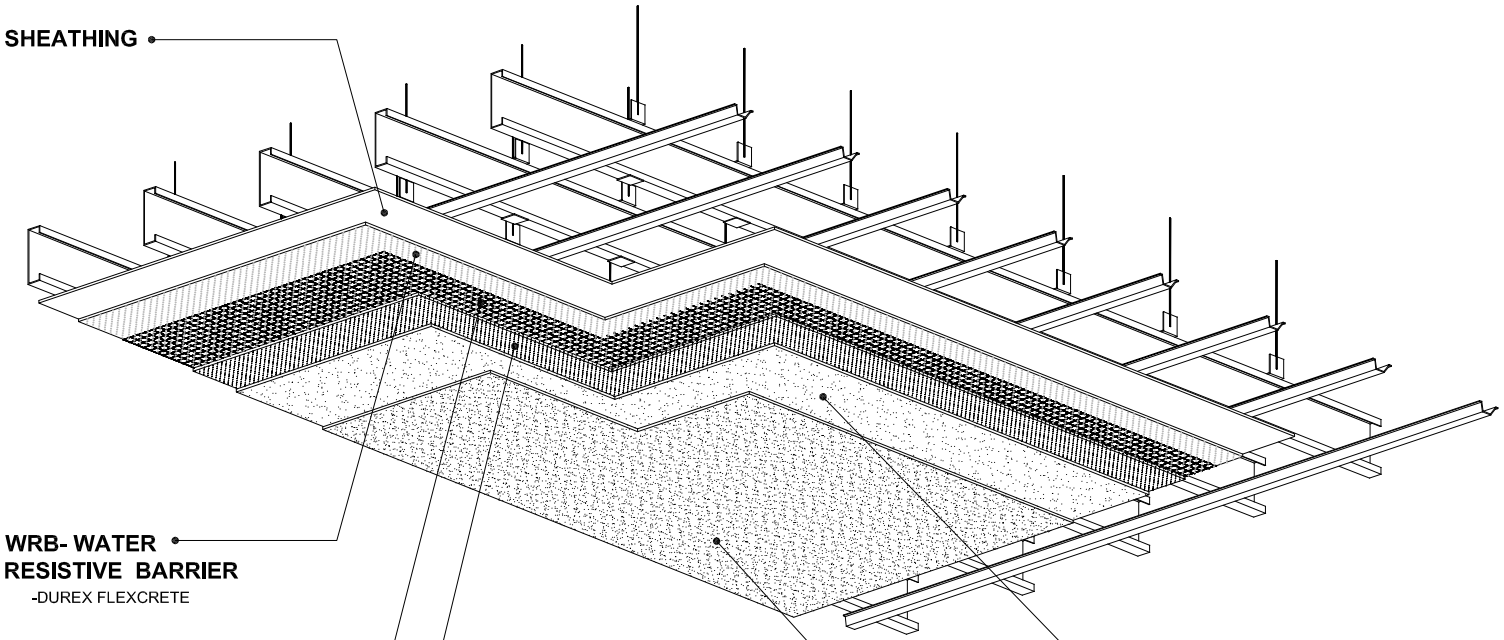
ISOMETRIC & SPECIFICATIONS

Durex®
Stucco Lite Soffit

Commercial Softs, Balconies, Loading Dock Softs, Canopies, Drive Through Softs etc.



SHEATHING

WRB- WATER RESISTIVE BARRIER
-DUREX FLEXCRETE

FIBERGLASS MESH
EMBEDDED IN BASE COAT
-DUREX STANDARD MESH
-DUREX INTERMEDIATE IMPACT MESH

BASE COAT
-DUREX FLEXCRETE
(FOR SHEATHINGS)
-DUREX MONOBASE

PRIMER (OPTIONAL)
-DUREX BRUSH COAT

ARCHITECTURAL FINISH COAT
-CLASSIC SERIES
-PREMIUM SERIES
-ARTISAN SERIES
-KOLOR GARD
-ELASTOMERIC SERIES

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System Isometric & Components

PART 1: - GENERAL

1.1 GENERAL REQUIREMENTS

.1 All conditions of the contract and Division 1, General Requirements apply to this section.

.2 All work shall meet applicable codes and standards, the Occupation Health & Safety Act, manufacturer's recommendations and good building practice.

.3 System Description: A polymer modified, glass fiber mat reinforced stucco system that is intended for direct application in steel-framed or wood-framed soffits having cementitious or glass-mat-surfaced gypsum sheathing.

.4 The direct-applied, glass fiber mat reinforced stucco system is intended for use on buildings required to be of noncombustible or combustible construction, and where the applicable Building Code requires the use of fire-tested wall assemblies that include noncombustible or combustible claddings.

SPEC NOTE: The present specification is intended to address the direct application of glass fiber mat reinforced stucco system over code compliant, unheated and vented soffits and/or ceiling/canopy assemblies. It does not address the design aspects of minimum ventilation, installation of flashing, drip edges, air sealing etc. that are required to prevent water infiltration and condensation. The designer shall determine the overall design requirements of the soffit/canopy assemblies.

1.2 COORDINATION

.1 Ensure that the work of this section is coordinated with the work of related sections.

1.3 RELATED SECTIONS

.1	Section 05 41 00	Structural Metal Stud Framing
.2	Section 06 10 00	Rough Carpentry
.3	Section 06.16.00	Sheathing
.4	Section 07.26.00	Vapour Barrier
.5	Section 07 62 00	Sheet Metal Flashing and Trim
.6	Section 07 90 00	Joint Protection (Sealants)
.7	Section 09 28 00	Backing Board and Underlayment

1.4 REFERENCES

.1 American Society for Testing Materials

.1	ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus.
.2	ASTM C1177/C 1177M	Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing.
.3	ASTM C1185	Standard Specification for Flat Fiber-Cement Sheets.
.4	ASTM C1338	Standard Test Method for Determining the Fungi Resistance of Insulation Materials and Facings.
.5	ASTM C1382	Standard Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation

			and Finish Systems (EIFS) Joints.
	.6	ASTM C1481	Standard Guide for Use of Joint Sealants with Exterior Insulation and Finish Systems (EIFS).
	.7	ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method).
	.8	ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials.
	.9	ASTM E96/E 96M	Standard Test Methods for Water Vapor Transmission of Materials.
	.10	ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
	.11	ASTM E1131	Standard Test Method for Compositional Analysis by Thermogravimetry.
	.12	ASTM E1252	Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis.
	.13	ASTM E2098	Standard Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing mesh for Use in Class PB Exterior Insulation and Finish Systems (EIFS), after Exposure to a Sodium Hydroxide Solution.
	.14	ASTM G154	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials.
	.15	ASTM G155-05a	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials.

.2 Canadian Standards Organization (CSA)

.1	CSA S16	Design of Steel Structures.
.2	CAN/CSA-S136	North American Specification for the Design of Cold-Formed Steel Structural Members

.3 International Organization for Standardization (ISO)

.1	ISO 15148	Hygrothermal performance of building materials and products - Determination of water absorption coefficient by partial immersion.

.4 ULC (Underwriters Laboratories of Canada)

.1	CAN/ULC-S102	Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
.2	CAN/ULC-S114	Standard Method of Test for Determination of Non-Combustibility in Building Materials.

1.5 DESIGN CRITERIA

.1 Structural Design

.1 Design professional shall design the back-up soffit/canopy assembly in full compliance with the requirements of the National Building Code (NBC) of Canada and/or applicable provincial or territorial building codes. Sufficient details on architectural plans and drawings shall demonstrate compliance to the NBC.

.2 Supporting Substrate
- .1 All substrates shall be flat and plumb within 2 mm/m (1/4" per 10'), as per ASTM C 1397.
- .2 All substrates shall be free of surface contamination, including (but not limited to): dirt, form release agents, efflorescence, oil and chalkiness.
- .3 All substrates shall be free of any loose materials and cracks greater than 1 mm (1/24") in width.

.3 Sheathing Substrates
- .1 Apply the system to one of the following recommended substrate sheathings or substrate system or approved equivalent:
  - .1 Cementitious backer board as per ASTM C1325.
  - .2 Glass-mat gypsum sheathing conforming to ASTM C1177/C1177M.

SPEC NOTE: Sheathing/substrate system type and condition shall be as approved by Durabond Products Ltd. Questionable substrates to be reviewed by Durabond Products Ltd. and/or the Designer.

- .2 Sheathing shall be designed with framing to resist applicable wind loads, with a maximum design deflection of substrate not to exceed L/360.
- .3 Sheathing substrates shall be installed in accordance with the sheathing manufacturer's latest installation instructions and installed in general conformance with ASTM C1280. Sheathing shall be:
  - .1 Minimum 12.7 mm (1/2") thick for glass-mat gypsum, cementitious and fibre cement boards.
  - .2 Continuously supported by framing.
  - .3 Having sheathing joints not exceeding 3.0 mm (1/8").
  - .4 Installed with corrosion resistant fasteners tight and flush to the sheathing surface. (Not to be countersunk.)
  - .5 Replaced where damaged or weathered.

.4 Water Resistive Barrier (WRB)
- .1 The water resistive barrier (WRB) shall be selected using the specified, designated control membrane.

SPEC NOTE: While the use of a water resistive barrier is recommended, it remains optional in soffit and canopy applications.

- .2 A ready-mix, 1 or 2 components, polymer-based water resistive barrier which can be roll, spray or trowel applied in a continuous layer over the substrate.
- .3 The water resistive barrier shall be applied in conformance with the glass mat fiber reinforced stucco system manufacturer's Instructions.

.5 Water Resistive Barrier Transition Membrane
- .1 The continuity of the water resistive barrier shall be maintained across joints, and all other wall/ceiling interfaces using the specified transition membranes
- .2 Transition membranes shall be installed in conformance with manufacturers' instructions.
- .3 Transition membranes shall be as listed in Part 2, "Products" of this specification. No other generic transition membranes should be permitted.

SPEC NOTE: Allowance for use of generic transition membranes could result in membranes that may not be compatible with the lite stucco system.

.6 Code-related Fire Protection
- .1 The glass fiber mat reinforced stucco system is intended to be used in soffit and canopy assemblies that would have been designed in conformance with the requirements of Subsections 3.2.3.16., and 3.2.3.17. of Division B of the National Building Code (NBC) Canada and/or the equivalent requirements of the related applicable provincial and territorial codes.

SPEC NOTE: Fire protection requirements are subject to provincial variations, refer to specific provincial fire protection code compliance requirements for specific allowances/limitations that may apply.

.7 Design Details at Terminations
- .1 The glass fiber mat reinforced stucco system shall be terminated a minimum of 12.7 mm (1/2") from adjoining materials at interfaces for sealant applications.

.8 Sealant System
- .1 Joints in the glass fiber mat reinforced stucco system shall be sealed using an elastomeric sealant with a closed-cell foam backer rod or bond breaker tape, as specified in Section 07 90 00 and as tested to ASTM C1382.
- .2 Minimum joint width shall be four times greater than the anticipated range of movement. Sealant shall be applied in a width to depth ration of (4:1), (3:1). (2:1) as recommended by the Sealant manufacturer.
- .3 Sealant installation shall conform with the requirements of ASTM C1481.

SPEC NOTE: Recommended joint width is 19 mm (3/4") for expansion joints, however, site and design conditions may require the nominal width to vary.

.9 Expansion and Termination Joints
- .1 Provide the specified backer rods for sealant joints at all expansion and termination joint locations.
- .2 Expansion joints are required at the following locations:
  - .1 At movement joint locations within the substrate.
  - .2 At building movement joint locations.
  - .3 At changes in roof line, building shape or structural system.
  - .4 At changes in substrate materials.
  - .5 At all other locations specified or indicated on drawings

.10 Flashing
- .1 The glass fiber mat reinforced stucco system shall be used in conjunction with flashing conforming to Part 5 of Division B of the National Building Code (NBC) of Canada and/or the equivalent requirements of the related applicable provincial or territorial codes.
- .2 Corrosion-resistant flashing shall be designed with drip edges to direct water to the exterior and to prevent water entry behind the cladding.
- .3 Flashing must be installed in accordance with section 07 62 00 and the applicable building codes.
- .4 Flashing shall have a slope of not less than 6% towards the exterior, lap not less than 10 mm (3/8") vertically over the building element below, terminate in a drip offset not less than 5 mm (3/16") outward from the outer face of the

building and terminate at each end with an end-dam.

.11 Finish
- .1 The design professional shall assess the design of the building façade to the desired finish textures and colours that could be expected at various sections of the façade.
- .2 Where the type of texture and the intensity of the selected colours include vibrant, accent and / or mass tone colours that are more susceptible to UV degradation, the designer shall specify the use of Durex Kolor Gard Architectural Coatings to augment and heighten the colour fastness.
- .3 Sufficient details / notifications on architectural plans and drawings shall demonstrate the required specialized finish texture and colour of the exterior insulation and finish system.

1.6 SUBMITTALS

.1 Product Data
- .1 Submit glass fiber mat reinforced stucco system's specifications and individual component data sheets to show compliance to the intent of the design specifications, and installation instructions.
- .2 Submit approvals and/or evaluations applicable to the system and/or components to be installed.

.2 Shop Drawings
- .1 Submit shop drawings in accordance with requirements specified in Division 1.
- .2 Clearly indicate dimensions, tolerances and materials in large-scale details for terminations, drainage/venting, description of related and abutting components and elevations of units with locations of expansion joints, control joints, and reveals.

.3 Samples
- .1 Prior to application of mock-up, submit duplicate 150mm x 200mm (6" x 8") representative colour samples of each colour and finish coat texture.
- .2 Maintain an approved sample at the project site.

.4 Closeout Submittals
- .1 Provide glass fiber mat reinforced stucco system's maintenance, repair and cleaning procedures.
- .2 Provide the system's material warranty as per section 1.10.
- .3 Provide workmanship warranty by the glass mat fiber reinforced stucco applicator as per section 1.10.
- .4 Provide identification labels of colour batch numbers, water resistive barriers, base coat, finish coats and reinforcing mesh used.

1.7 QUALITY ASSURANCE

.1 Qualifications
- .1 System Manufacturer: All system components shall be manufactured or sold by the glass fiber mat reinforced stucco system's manufacturer and purchased from the system's manufacturer and/or its authorized distributors.
- .2 Contractor: Shall be knowledgeable in the proper installation of the glass fiber

mat reinforced stucco system and shall be in possession of the system's current Certificate of Installer. Work of this this specification shall be executed in conformance with good trade practices and manufacturer's installation manual.

.2 Mock-Up

.1 The contractor shall, before installation works, provide the owner/consultant with a mock-up demonstrating the glass fiber mat reinforced stucco system's components and application.

.2 The Mock-up shall be constructed to dimensions and in location specified by the Designer.

.3 The mock-up system's component shall include the water resistive barrier, reinforcing mesh, base coat and finish coats that would include each colour and texture to be used.

.4 The mock-up shall demonstrate methods of application as well as typical details at openings and other related interfaces.

.5 The mock-up shall serve for initial review purposes by the Consultant and when accepted shall represent the minimum standard for work and the basis for acceptance for the rest of the project.

.6 The mock-up shall be prepared with the same products, components, tools and techniques required for the actual project.

.7 The approved mock-up shall be available at all time at the jobsite and shall form the basis for acceptance for the remainder of the project.

.8 Accepted mock-up may remain as part of the work.

SPEC NOTE: More than one mock-up may be required if more than one coating colour and/or texture is required for the project.

1.8 DELIVERY, STORAGE, HANDLING & PROTECTION

.1 All required materials and components shall be supplied by the manufacturer of the glass fiber mat reinforced stucco system and shall be delivered to job site in original, unopened packaging with all identifying labels and markers clearly visible and intact. Upon delivery, materials shall be inspected for any damages and the system's manufacturer shall be advised, in writing of any damaged and/or unacceptable materials. Any defective materials and/or components shall not be used.

.2 Materials shall be stored in a dry, vented, weatherproof enclosures, stacked off the ground, out of direct sunlight and other detrimental conditions. Pail products and liquid materials shall be stored at ambient temperatures above 5ºC and below 35ºC. All materials shall be protected from freezing or overheating.

.3 Protective coverings shall be provided to all freshly-applied coatings to protect them from damages due to rain, inclement weather and/or any other damages until the coatings have fully set and cured.

.4 All capping and flashing shall be immediately and properly installed in co-ordination with the application of the glass fiber mat reinforced stucco system, unless temporary protection has been provided. If capping and flashing or temporary protection have not been provided, the Architect and General Contractor shall be advised accordingly in writing.

1.9 PROJECT/SITE CONDITIONS

.1 Prior to installation of the glass fiber mat reinforced stucco system, the substrate shall be examined with respect to the following:
- .1 The substrate shall be type-approved by system's manufacturer.
- .2 The substrate surface shall be free of any deleterious materials such as oil, dust, direct form-release agents, paint, wax glazing, water, moisture, efflorescence, frost, etc.
- .3 The substrate shall be examined for soundness, such as tightness of connections, crumbling, spalling, delamination, voids, loose joints and projections.
- .4 The substrate shall be examined for compliance with Contract Documents.

.2 Ambient Conditions
- .1 Application shall take place when ambient and substrate temperature are within the specified limits by manufacturer and when the substrate is free from any moisture arising from condensation, frost, and/or rainfall.
- .2 Do not proceed with application of materials immediately prior to, during, or immediately after inclement weather conditions, nor if adverse weather is anticipated within 24 hours after application.
- .3 Do not apply materials to wet, frozen or frosted surfaces.
- .4 Application of water resistive barrier, base coat and finish coat shall not proceed during rainy conditions or weather conditions with ambient air and/or wall surface temperatures below 5ºC, or above 38ºC. Wet applied coatings shall be protected from rain until they are completely dry.
- .5 Avoid coating surfaces that are directly exposed to direct sunlight or windy conditions.
- .6 When necessary, provide temporary enclosures for exterior work and ensure that temporary climatized enclosure is provided in the area of work to maintain the required ambient air temperature prior to, during application and for a minimum of 24 hours after application of coating.

SPEC NOTE: Carefully co-ordinate to determine whether or not the General Contractor is to provide temporary enclosure and heat.

- .7 Do not apply finish coat in areas where dust is being generated.
- .8 Proceed with work only when surfaces and conditions are satisfactory for the production of perfect application.
- .9 Protect applied coating from rapid evaporation during dry and hot weather.
- .10 Consult system's manufacturer for recommendations should adverse conditions exist.

1.10 WARRANTY

.1 The warranty period stipulated in the General Conditions of the Contractor shall be extended as follows:
- .1 The system is eligible for a manufacturer's warranty from the date of substantial completion, upon written request, against defective material. For full applicable warranty details contact the system manufacturer.
- .2 The manufacturer warranty is effective only when materials and workmanship comply with this specification.
- .3 The system manufacturer does not warrant workmanship.

.4 The system applicator shall warrant workmanship separately against faulty workmanship.

SPEC NOTE: Substitution of materials and/or components specified in this specification shall void the manufacturer's warranty.

PART 2: - PRODUCTS

2.1 MANUFACTURER

.1 All components of the Durex® Stucco Lite - Soffit Commercial system shall be manufactured and/or distributed by Durabond Products Ltd. or one of its authorized distributors. No substitutes of materials shall be allowed without prior written notice of the manufacturer.

2.2 WATER RESISTIVE BARRIER (WRB)

.1 Durex® Flexcrete, a ready to use, two component, wet mix, polymer-based cementitious air/water/vapour resistive barrier, mixed with Flexcrete B in 1:1 ratio.

SPEC NOTE: For selection of appropriate water resistive barrier please consult your Durabond Products Ltd. representative.

2.3 SHEATHING JOINT REINFORCING

.1 Durex® Barrier Seam Tape, a polyester reinforcing mesh supplied in rolls 100 mm (4").

2.4 TRANSITION MEMBRANE

.1 Durex® EIFS Tape, a 30 mil thick, self-adhering, Styrene Butadiene Styrene (SBS) modified rubberized asphalt membrane with a polyester top surface. Available in rolls 914 mm (36"), 457 mm (18"), 225 mm (9"), 152 mm (6") and 102 mm (4") wide. Durex® EIFS Tape requires the use of Durex® Flex-Seal Primer for proper adhesion.

.2 Durex® EIFS Tape Super Stick TM, a 17 mil, self-adhering, high performance tape with a polyester fabric top layer. Available in rolls 914 mm (36"), 457 mm (18"), 225 mm (9"), 152 mm (6") and 102 mm (4") wide. Durex® Super Stick TM requires the use of Durex® Flex-Seal primer for proper adhesion.

.3 Durex® Flex-Seal Membrane, a 40 mil thick, self-adhering, rubberized asphalt membrane with high density cross-laminated polyethylene reinforcement. Available in rolls 914 mm (36"), 457 mm (18"), 225 mm (9"), 152 mm (6") and 102 mm (4") wide. Durex® Flex-Seal Membrane requires the use of Durex® Flex-Seal Primer.

SPEC NOTE: Durex® Flex-Seal Primer, a primer specifically designed to enhance the adhesion of Durex® Flex-Seal Membrane and Durex® EIFS Tape on porous surfaces and cementitious coatings at temperatures above -30°C. It is composed of SBS synthetic rubbers, adhesive enhancing resins and volatile solvents. Durex® Flex-Seal Primer can be used on exterior gypsum boards, wood, metal and concrete.

2.5 REINFORCING MESH

.1 Durex® Standard Mesh (4.3 oz): A nominal 146 g/m^2 (4.3 oz/yd^2), flexible, open-weave, alkaline-resistant glass-fibre adhesive mesh, supplied in 965 mm (38 in) wide by 45.7 m (150 ft) long rolls. Used for application over the field of the wall, providing standard impact resistance.

.2 Durex® Intermediate Mesh (6.0 oz): A nominal 203 g/m^2 (6.0 oz/yd^2), flexible, open-weave, alkaline-resistant glass-fibre adhesive mesh, supplied in 965 mm (38 in) wide by 50 m (150 ft) long rolls. Used for application over the field of the wall, providing a moderately high-duty impact resistance.

2.6 BASE COAT

.1 Durex® Flexcrete, a two component, wet mix, polymer-based cementitious air/water/vapour resistive barrier, mixed with Flexcrete B in 1:1 ratio.

.2 Durex® Monobase, a single component, polymer-based cementitious base coat which is mixed with water in a ratio of 1 bag Durex® Monobase to 5-6 l of potable water.

2.7 PRIMER

.1 Durex® Brush Coat Primer, a water-based, 100% acrylic coating, colour-tinted to suit the colour of the final finish coat.

SPEC NOTE: Except for special finishes, the Primer is an optional component of the Durex Stucco Lite Soffit Commercial where its usage is recommended for providing uniform substrate absorption and finish colour.

2.8 FINISH COAT

.1 Durex® Architectural Coatings, Classic Series, a 100% acrylic, water-based, multi-coloured, textured, protective coating. (Colour and texture to be selected)

.2 Durex® Architectural Coatings, Premium Series, high build, multi-coloured, protective and decorative coating consisting of coloured quartz aggregates and oversized mica flakes embedded in a clear 100% acrylic resin, textured, protective coating. (Colour and texture to be selected)

.3 Durex® Architectural Series, Artisan Series, a 100% acrylic, water-based, high-build, multi-coloured, textured with special patterns and artistic releifs, protective coating. (Colour, texture and finish pattern to be selected)

.4 Durex® Architectural Series, Kolor Gard Series, a 100% acrylic, Fade Resistant Decorative High Build Protective Textured Coating for Accent & Bright Colours. (Colour, texture and finish pattern to be selected)

.5 Durex® Architectural Coatings, Elastomeric FX Series, a 100% acrylic, water-based, high-build, high flexibility, multi-coloured, textured, protective coating. (Colour and texture to be selected)

SPEC NOTE: In cases where the selected colours of the finish texture are of a vibrant accent and/or mass tone nature (Colours that require organic pigments in order to attain and retain the colour intensity), the designer is encouraged to consider specifying, exclusively, the use of Durex® Kolor Gard Series Coatings to augment and heighten the colour fastness of bright and mass tone coloured finishes. This engineered augmented UV fade resistance is limited to the Kolor Gard line of finishes that may result in additional application requirements that should be considered prior to tender.

2.9 TRIM ACCESSORIES

.1 As selected by the Consultant and recommended by Durabond Products Ltd.

2.10 ACCESSORY PRODUCTS

.1 Sealant: a low modulus sealant, as recommended and approved by Durabond Products Ltd. Standard colour shall be selected by consultant.

.2 Foamed-in-place Insulation: Class 1, single or two components, polyurethane foam, moisture cured with flame-spread rating of ≤ 25, fuel contribution 0 and smoke developed ≤ 20, as per (ULC S710.1). Must be ozone friendly and containing no fluorocarbons and have a density ≥ 27.2 kg/m^3 (1.75 lb/ft^3) and a minimum "RSI" value of 0.91 per 25 mm ("R" value of 5 per inch) thickness.

2.11 EQUIPMENT

.1 All mixing shall be carried out with a clean, rust-free paddle mixer that shall minimize air entrainment, powered by a power-drill at 400-500 rpm maximum speed.

.2 Metal trowels, hawks, utility knives, corner trowels and plastic floats

PART 3: - EXECUTION

3.1 EXAMINATION

.1 Examine surfaces to receive the glass fiber mat reinforced stucco system for defects that could adversely affect execution and quality of work.

.2 Ensure substrate surfaces, including each applied base coat, are dry, solid and sound, free of weak and powdery surfaces, free from ice, snow and frost, oil, grease, releasing agents and other deleterious materials detrimental to a positive bond.

SPEC NOTE: Deteriorating, weak, powdering or flaking surfaces may require further preparation work prior to installation of the lite stucco system. Check with the system's manufacturer for questionable substrate materials and conditions.

.3 Ensure substrate tolerance is within 2 mm/m (0.25"/10').

.4 Ensure that flashing at all openings, roof-wall intersections, terminations and other areas as required, have been installed to divert water away from the exterior insulation and finish system.

.5 Report in writing to Consultant all adverse conditions which will be detrimental to work of this Trade.

.6 Do not start work until all unsatisfactory conditions have been corrected.

.7 Commencement of work shall indicate acceptance of substrate conditions.

3.2 PREPARATION

.1 Prepare substrates to receive the glass fiber mat reinforced stucco system as recommended in manufacturer's instructions.

.2 Thoroughly clean and wash (existing) surfaces, including each applied base coat, (and including existing coated surfaces) by wire brushing or other approved methods to remove all dirt, dust, grease, oil, latent, efflorescence, loose coatings and any other deleterious materials.

.3 Where necessary, mask all surrounding surfaces to provide neat, clean, true juncture lines with no over-spray of the coatings on surrounding surfaces.

.4 Co-operate and co-ordinate with other trades penetrating or abutting to the work of this Trade. Ensure that components by other trades are in position before the application of the glass fiber mat reinforced stucco system.

3.3 APPLICATION

.1 General:
- .1 Supply experienced and qualified installers and applicators to carry out the work.
- .2 Mix materials in accordance with manufacturer's instructions.
- .3 Install the glass fiber mat reinforced stucco system in strict accordance with the approved mock-up and manufacturer's printed instructions (and reviewed shop drawings).

SPEC NOTE: Correlate requirements for shop drawings with Article 1.6.

.2 Water Resistive Barrier (WRB)
- .1 Apply the glass fiber mat reinforced stucco system's water resistive barrier and moisture transition membrane at all sheathing board joints and all sheathing board interfaces.
- .2 Apply the selected glass fiber mat reinforced stucco system's water resistive barrier as per the manufacturer's application instructions, over the entire substrate surface, applying sufficient pressure in the troweling process to ensure full contact with the substrate.
- .3 Allow a minimum of 24 hours for drying and curing.
- .4 At all locations where the substrate material changes, install a 30 mm (12") strip of the system's moisture barrier transition membrane in strict accordance with the manufacturer's printed instructions to maintain continuity of the water resistive barrier.

SPEC NOTE: Refer to manufacturer's standard details.

SPEC NOTE: Transition membranes used in conjunction with the WRB must be applied over clean, dry and contaminants free substrates that are primed with the specified primer. To ensure the proper level of adhesion and bond strength of the transition membrane, applicators must strictly follow the setting time-setting, temperature conditions and tack characteristics of the primer.

.3 Base Coat
- .1 Ensure that the surface of the substrate is dry and free of loose materials, and dirt and that detail work has been completed.
- .2 In hot, dry weather, if the substrate is exceptionally dry, lightly dampen the surface with a fog mist of clean potable water. Do not over-saturate with water, as it will impair the bonding of the base coat.
- .3 Trowel apply a layer of base coat over the substrate, not less than 3 mm, applying sufficient pressure in the trowelling process to ensure full contact with the substrate.
- .4 Use a straight edge tool to darby the surface and bring it to a straight, even and true surface.
- .5 When the base coat has taken initial set, use a wood or sponge float and work the surface with light circular motion to remove all high points and to fill low points.
- .6 Final surface shall be smooth, straight and true to a tolerance of not more than 3.2 mm in 3 m (1/8" in 10'-0"). Surface shall be free of trowel marks, irregularities and visible mesh pattern.
- .7 Allow a minimum of 3 days for curing and drying.

.4 Finish Coat Primer
- .1 Evenly apply the primer throughout with a high pile roller at a rate of 2.8 m^2/l (600 ft^2/pail). The substrate shall not be visible through the applied primer.
- .2 Avoid excessive build-up in any one area.
- .3 If required, re-coat when the first coat is dry to the touch, but in any event not earlier than 2 hours after initial setting.
- .4 Allow minimum 4 hours for curing prior to application of finish coat.

.5 Finish Coat
- .1 Apply the glass fiber mat reinforced stucco system's selected finish coat, within 3 days after application of the system's selected primer. Longer periods may be scheduled between operations provided that the primed surface is kept clean and in good condition.
- .2 Apply the selected finish coat in strict accordance with manufacturer's printed instructions for the Selected finish.
- .3 Apply the finish coat in such a way as to match the colour and texture of the approved site mock-up.
- .4 Do not apply the finish coat onto surfaces that are intended to be caulked.

SPEC NOTE: In cases where the selected colour of the finish texture is of a vibrant, accent and/or mass tone nature for which Durex® Kolor Gard Series have been specified, the applicator shall ensure that the products and their respective application procedures are followed and no substitutions are made in product and/or in application. The engineered augmented UV fade resistance is limited to the Durex® Kolor Gard line of finishes that may result in additional application requirements that should be considered prior to tender.

3.4 JOINTS

.1 Install expansion joints at all locations where dissimilar substrates meet.

.2 Install expansion joints at all locations of maximum stress, in the direction as shown on drawings.

.3 Unless otherwise noted, provide all joints 12.7 mm (1/2") wide.

SPEC NOTE: As a rule of thumb, fulfill requirements 1 and 2 and then arrange the other requirements to best suit the intended aesthetics of the building.

3.5 SEALANTS

.1 Seal and caulk all joints in the glass fiber mat reinforced stucco system with the system's specified elastomeric sealant that shall be applied over a compatible closed-cell foam backer rod or bond breaker tape.

.2 Seal and caulk all expansion joints between the lite stucco system and dissimilar abutting building components.

.3 Apply sealant and/or sealant primer in strict accordance with the sealant manufacturers printed instructions.

SPEC NOTE Apply sealant and/or sealant primer to base coat only.

3.6 SPECIAL CLEANING

.1 Clean off all surfaces and work area of foreign materials resulting from material installation and leave work in clean condition.

.2 Entirely reinstate at this Trade's own expense, any surface not to be coated, but soiled and attributable to this Trade due to spillage, mixing of material or any other cause.

3.7 PROTECTION

.1 Protect the installed glass fiber mat reinforced stucco system from damage during construction.

.2 Provide protection of installed materials from precipitation, freezing, excessive heat, dust, and dirt during installation and curing of the system.

.3 Provide protection to adjacent materials that could be damaged by the system's installation.

.4 Post appropriate warning signs while work is in progress and during curing period.

.5 Clean off all surfaces and work area of foreign materials resulting from material installation and leave work in clean condition.

END OF SECTION