

Durex® Point Guard

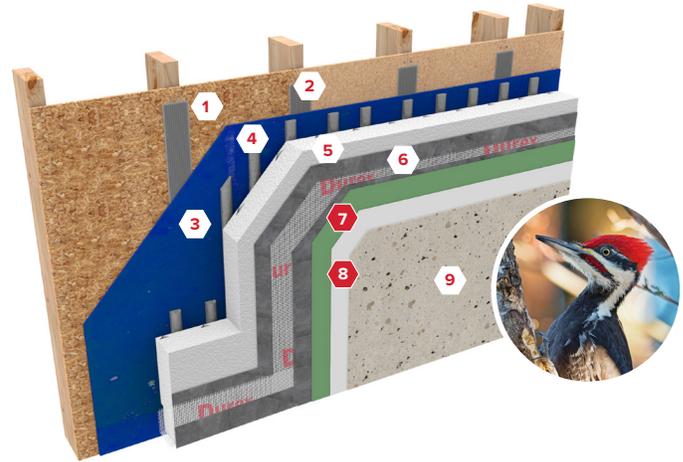
Woodpecker Resistant High Impact Lamina



Durex® Point Guard is a specially formulated point impact resistant EIFS lamina system engineered with proprietary aggregates to protect against damage caused by woodpeckers or other similar types of wildlife as well as other types of point impact exposure.

Durex® Point Guard consists of two (2) specially formulated non-combustible polymer modified base coats, Durex® Diamond Plus and Durex® Diamond Flex.

Durex® Diamond Plus, the first layer in the system, is a green, 2-component impact resistant coarse base coat which is applied over the cured EIFS fibreglass-reinforced base coat or other similar cementitious coatings. Durex® Diamond Flex, the second layer, is a light grey, fine, flexible, one-component base coat. Any of our Durex® Architectural Finish Coatings can be applied over the Durex® Point Guard system.



Ideal Use:

Durex® Point Guard is recommended for use in geographical areas inhabited by woodpeckers and other related wildlife, which is known to cause damage to exterior walls clad with EIFS and other similar cladding systems.

Features:

- Superior point load impact resistance
- Can be installed on both new Durex® EIF Systems and over of existing EIF Systems
- Excellent compressive and flexural strength
- Coarse, dense material for higher strength
- Highly flexible second layer for excellent crack resistance
- Excellent adhesion to new & existing EIFS lamina and other cementitious coatings
- Excellent freeze-thaw stability
- CAN/ULC S716 compliant
- CCMC listed (13103-R)
- Economical



- Substrate
Plywood / OSB / GlassMat Gypsum Board
- Transition Membrane
Durex® Barrier Seam Tape with Durex® WRB
- Water Resistant Barrier
Durex® Water Resistant Barrier
- Insulation Adhesive
Durex® Insulation Adhesive
- Insulation
Durex® Rigid Insulation
 - Durex® Quantum Select
 - Durex® Equalite Select
 - Durex® Flexlite Select
 - Durex® Insulite Select
- Fibreglass Reinforced Basecoat
Durex® Basecoat
 - Durex® Flexcrete
 - Durex® Monobase
 - Durex® Uniplast + Acrybond 'S'
- Durex® Point Guard System - 1st Basecoat Layer
Durex® Diamond Plus
- Durex® Point Guard System - 2nd Basecoat Layer
Durex® Diamond Flex
- Finish Coat
Durex® Architectural Finish Coating



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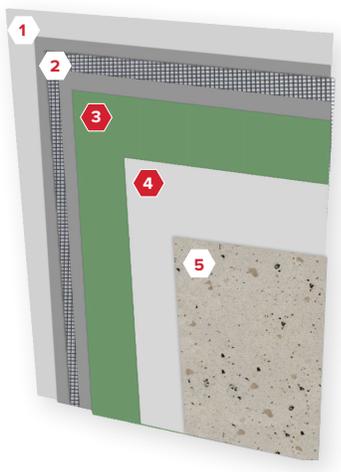
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Durex® Point Guard

Woodpecker Resistant High Impact Lamina



Durex® Point Guard New EIFS Installation

1. Durex® EIFS Insulation
2. Durex® Fibreglass Reinforced Basecoat
3. **Durex® Diamond Plus** - 1st Layer
4. **Durex® Diamond Flex** - 2nd Layer
5. Durex® Architectural Finish Coating



Durex® Point Guard Over Existing EIFS/Stucco

1. Existing finish coat
2. **Durex® Diamond Plus** - 1st Layer
3. **Durex® Diamond Flex** - 2nd Layer
4. Durex® Architectural Finish Coating



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Description

Durex® POINT GUARD is a highly durable, impact resistant enhancement coating solution for ultimate protection woodpecker and other impact induced damage prevention. Durex® POINT GUARD can be installed over existing damaged EIFS or incorporated in new installations and in combinations with our Durex® EIF Systems. Durex® POINT GUARD is a specially formulated point impact resistant EIFS lamina system engineered with proprietary aggregates to protect against damage caused by woodpeckers or other similar types of wildlife as well as other types of point impact exposure.

Substrate Requirements

Durex® POINT GUARD Durex® Point Guard consists of two (2) specially formulated non-combustible polymer modified base coats, Durex® Diamond Plus and Durex® Diamond Flex. Existing substrates must be clean and solid (replace and / or repair all damaged rigid insulation prior to any additional installations). New EIFS installations must be finished and dry up to base coat (no finish coat installed).



Durex® Point Guard New EIFS Installation

1. Durex® EIFS Insulation
2. Durex® Fibreglass Reinforced Basecoat
3. Durex® Diamond Plus - 1st Layer
4. Durex® Diamond Flex - 2nd Layer
5. Durex® Architectural Finish Coating

Application Guidelines and Substrate Preparation

- **Repair of Existing EIFS** – all damaged areas of existing EIFS, inclusive of damaged rigid insulation and base coats, must be repaired following original system manufacturer’s instructions for the repairs.
- **Cleaning and Preparation of Existing Substrate** – existing substrates shall be cleaned and free of dirt etc., all loose finish coats shall be removed to solid substrate.
- **New EIFS Installations** – new EIFS application shall be installed as per manufacturer’s instructions up to the final base coat and allowed to cure. Finish coat shall be installed after the installation of Durex® POINT GUARD system and fully cured.
- **Installation of Durex® Diamond Plus** – Diamond Plus is formulated to offer the first and main layer of resistance to impact. Mixing instruction shall be strictly complied with and installation thickness shall be minimum ¼” (6mm) and shall be allowed to cure prior to the installation of Diamond Flex.
- **Installation of Durex® Diamond Flex** – Diamond Flex is the top layer of resistance to impact. It introduces impact resistance and flexibility of the lamina to ensure long term performance. Installation thickness shall be minimum 1/8” (3mm) and shall be allowed to cure prior to finish coat installation.
- **No Substitutions** – Durex® POINT GUARD system components are designed to work in combination no substitution is permitted.
- **Warranty** – Durex® POINT GUARD is backed by a 10 year puncture resistant warranty. Consult your Durabond Representative for more specific details.

Application Steps

1. Mix Durex® Diamond Plus only with Durex® Diamond Bond at a ratio of 1 bag to 5.5 Liters, using a slow revolution mixer (max. 550 RPM) taking care not to induce air into the mixture.
2. Apply Durex® Diamond Plus to the substrate in a successive two coat application “scratch & double” while still wet to a minimum thickness of ¼” (6mm). Final surface of applied Durex® Diamond Plus shall be rendered straight and true by using a feather edge, and allowed to dry for a minimum of 24 hours.
3. Mix Durex® Diamond Flex only with potable water at a ratio of 1 bag to 5.5 L, using a slow revolution mixer (max. 550 RPM) taking care not to induce air into the mixture..
4. Apply Durex® Diamond Flex to the dry Diamond Plus to a minimum thickness of 1/8” (3mm). Allow to initial set of the product and sponge float to a fine true and straight surface. Allow to dry for a minimum of 24 hours prior to the installation of the finish coat.
5. Apply selected Durex® Architectural Coating as as per manufacturer’s instructions and allow to cure for minimum of 3 days.

NOTE: The Durex® POINT GUARD is a high quality tough coating system designed to introduce impact resistance and protection against damage from woodpeckers or other pests. Best results application instructions shall be adhered to at all times. Failure to follow application instructions can result in less than desired impact resistance and may void the manufacturer’s warranty. Consult with Durabond Representatives for more specific recommendations.

Reference	Product	Mix Design	Coverage	Application
Existing System Repairs	Refer to original system manufacturer / supplier for repair components and procedures. (In the event that original manufacturer is not known consult with your Durabond representative for recommendations).			
Base Impact Resistance Layer	Diamond Plus (22.7 Kg bag) Diamond Bond (18.9 L pail)	1 Bag - Diamond Plus 5.5 L – Diamond Bond	25 ft ² / Bag @ ¼” thick 2.3 m ² / Bag @ 6mm thick (2 simultaneous successive coats)	steel trowel feather edge
Final Impact Resistance Layer	Diamond Flex (22.7 KG bag)	1 Bag - Diamond Flex 5.5 L – Potable water	50 ft ² / Bag @ 1/8” thick 5.2 m ² / Bag @ 3mm thick (1 coat & sponge float finish)	Steel trowel Sponge float
Finish coat	Refer to project specific selected final architectural finishes and colours. (Consult your Durabond Representative for assistance for available Durex® Architectural finishes, textures and colours)			

Durex® Diamond Flex

High Impact Polymer-based Cementitious Flexible Base Coat

Description	Durex® Diamond Flex is a single-component polymer-based cementitious base coat developed to utilizing polymer technology to combine strength and toughness of polymer-modified cement with the flexibility of synthetics. Durex® Diamond Flex is the second coat of base coat in the Durex® Point Guard woodpecker resistant EIFS lamina system. Durex® Diamond Flex is white when fully cured.
Uses	Durex® Diamond Flex is applied over fully cured Durex® Diamond Plus to create a flexible surface ready to receive architectural finish coat. It provides the woodpecker resistance in the Durex® Point Guard woodpecker resistant EIFS lamina system when combined with Durex® Diamond Coat. Can also be used in repair / retrofit application over previously installed EIFS coatings in combination with Durex® Diamond Coat.
Features	<p>Durex® Diamond Flex has been formulated to provide a highly flexible, crack resistant cement-based coating. Durex® Diamond Flex provides the following features:</p> <ul style="list-style-type: none"> • Excellent adhesion to cementitious substrates, including Diamond Coat Plus • Combined strength of cement and the flexibility of synthetics • High flexibility allows for large surface areas to be coated without the need of unwanted control joints • Easy to use; just mix with water • Provides flexibility as a second base coat layer to the Durex® Point Guard lamina system for EIFS

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	Polymer-based cementitious coating
Appearance	White cementitious powder
Toxicity	CAS-Registry No. 65997-15-1 (contains Portland Cement)
Coverage	Each pail/bag will provide approximately 9-11 m ² (100 -130 ft ²)

PERFORMANCE PROPERTIES	METHOD	RESULT
Tensile Strength	ASTM C190	0.35 MPa (50 psi) without mesh 16.55 MPa (2400 psi) with mesh
Elongation		9.4%
Flexural Strength	ASTM C293	8.28 MPa (1200 psi)
Air Leakage	ASTM E283	0.0022 L/s.m ² @ 75 Pa
Water Vapour Permeance	ASTM E96	149 ng/Pa.s.m ² @ 25°C
Fire Rating	CAN/ULC S114	Rated non-combustible
Impermeability to Water	CCMC 6.7	Pass
Coefficient of Water Absorption	CCMC 5.5.1	0.0007 Kg (m ² .s ^{1/2})
Salt Spray Resistance	ASTM B117	Passed (300 hrs)
Accelerated Weathering	ASTM D822	Passed (2000 hrs)

Packaging	Durex® Diamond Flex is available in 22.7 Kg (50 lb) bags.
Storage	Store Durex® Diamond Top Coat in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. KEEP FROM FREEZING.
Mixing Procedure	<p>Thoroughly mix Durex® Diamond Flex before each use. Discard all materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity. Discard all frozen materials. Discard all material which has begun to harden. Mix Durex® Diamond Flex with clean potable water in accordance with the following proportions:</p> <ul style="list-style-type: none"> • Water 5 litres • Durex® Diamond Flex 1 bag <p>Pour clean potable water into an empty clean mixing container. While under slow mixing action add the Durex® Diamond Flex in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use excessive mixing speed. Let mixed material stand for approximately 15 minutes. Mix only enough materials which can be used within 1 hour. Working time may vary slightly depending on</p>

temperature and relative humidity. Re-temper and use. Discard all materials which have begun to stiffen for a second time. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX[®] DIAMOND FLEX WITH OTHER ADDITIVES.**

Application	Apply Durex [®] Diamond Flex to fully cured Diamond Coat, at a thickness of 1.5 – 2mm (1/16”) with a metal trowel.
Limitations	<ul style="list-style-type: none">· Mix Durex[®] Diamond Flex only with clean, potable water· Ambient, surface and material temperatures must be above 5°C (41°F) during application and curing· Do not apply the mix in layers thicker than 3.2 mm (1/8”) in any one pass
Clean-up	Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.
Health and Safety	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, and has been installed for uses suitable for this product and in accordance with the manufacturer’s instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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V2.01

Durex® Diamond Guard

High-Strength, Point Impact Resistant EIFS Lamina Enhancement System

Description Durex® Diamond Guard is specially formulated point impact load resistant EIFS lamina system engineered to protect and prevent damage caused by woodpeckers, similar types of wildlife and other types of point load exposure. Durex® Diamond Guard consists of specially formulated non-combustible polymer modified base coats, Durex® Diamond Plus and Durex® Diamond Flex. Durex® Diamond Plus, the first layer in the system, is a coarse, 2-component impact resistant base coat. Durex® Diamond Flex, the second layer, is a fine, flexible one-component base coat. The system is then finished with any Durex® Architectural Finish.

The Durex® Diamond Guard lamina system can be installed as an enhancement to the Durex® Quantum, Durex® Flexlite, Durex® Insulite and Durex® Equalite continuous insulation systems, or as a retrofit over existing EIFS lamina. For new EIFS applications, Durex® Diamond Guard is installed over a layer of Durex® Base Coat with Durex® Reinforcing Fibreglass Mesh. In retrofit applications, Durex® Diamond Guard can be applied over properly prepared existing EIFS lamina. Durex® Diamond Guard system utilizes a non-combustible lamina, and meets building code requirements for non-combustible construction.

Uses Durex® Diamond Guard can be applied over a wide range of structurally sound substrates. It is recommended for use in geographic areas where woodpecker and other related damage is common.

- Features**
- Greatly increased point load impact resistance over standard EIFS lamina
 - Can be installed on both new Durex® EIFS systems and overtop of existing EIFS systems
 - Excellent compressive and flexural strength
 - Coarse, dense material for higher strength
 - Highly flexible second layer for excellent crack resistance
 - Excellent adhesion to EPS, EIFS lamina and existing EIFS
 - Excellent freeze-thaw stability
 - CAN/ULC S716 compliant
 - CCMC listed (13103-R)
 - Economical

TECHNICAL DATA

SYSTEM COMPONENT	STANDARD/METHOD	RESULTS
LAMINA:		
Impact Resistance	ASTM E2486 – Impact Resistance	Retention Physical Retention Performance
Durex Fiberglass Mesh	<i>(Refer to Table 1.5.9 of the Quantum Select Specifications for detailed selection chart for guidance on level of impact resistance required)</i>	Standard 3 N.m 10 N.m PASS
<i>(Note: Impact resistance level is directly related to the weight and layers of Fiberglass mesh used in the lamina)</i>		Intermediate 8 N.m 15 N.m PASS
		High 13 N.m 20 N.m PASS
		Ultra High 20 N.m 30 N.m PASS
		Extreme 25 N.m 40 N.m PASS
Base Coat		
Durex Diamond Coat	CAN/ULC S114 Noncombustibility	Rated Noncombustible
Durex Diamond Flex		Rated Noncombustible
	<i>(Refer CCMC Evaluation Report # 13103-R for complete detailed performance data)</i>	
PERFORMANCE:		
Fire Protection	CAN/ULC S101 & CAN/ULC S114 <i>(Compliance to NBC 3.2.3.8(1) (b))</i> CAN/ULC S101 <i>(Fire Resistance rated Assemblies)</i>	Rated as non-combustible cladding ULC design EW21/EW22/EW23 1 hr. FR rating ULC design W489 (Load Bearing) 2 hrs. FR rating ULC design W485 (Load Bearing) 2 hrs. FR rating ULC design W456 (Non-Load Bearing) Intertek listing # DPL-WEIFS 30-01
	CAN/ULC S134 <i>(Compliance to NBC 3.1.5.5)</i> ASTM E330 – cyclic	600 cycles alt. 0 to -2.5kPa – no visible damage to any of the wall components
	ASTM E330 – blow-out	-3.75kPa applied for 10 sec. – no visible damage to any of the wall components - max. pressure 7.12 kPa
Water Tightness	ASTM E331	400 Pa pressure difference for 15 min. – no water penetration through the exterior surface finish
System Compliance	CCMC Technical Guide for EIFS CAN/ULC S716.1 EIFS Materials & System	CCMC Evaluation Report # 13103-R Fully compliant with: CAN/ULC S716.1 Materials & System CAN/ULC S716.2 Installation of Components & WRB CAN/ULC S716.3 Design Application

Application	<p>NEW DUREX® EIFS INSTALLATIONS: Durex® Diamond Guard is installed as part of the Durex® Diamond Guard woodpecker protection system as an enhanced lamina to Durex® Quantum, Durex® Flexlite, Durex® Insulite and Durex® Equalite series of EIFS systems. Durex® Diamond Guard is to be installed over of a layer of Durex® EIFS base coat (Durex® Flexcrete, Durex® Monobase or Durex® Uniplast/Acrybond 'S') that has been embedded with Durex® Fibreglass Reinforcing Mesh.</p> <p>RETROFIT APPLICATIONS: Durex® Diamond Guard is to be applied over existing sound EIFS lamina for restoration/retrofit Applications. Surface to be coated must be clean, free of dirt, debris, ice/frost or any materials deleterious to adhesion. Surfaces are recommended to be pressure washed prior to installation.</p>
Clean-up	Clean all tools promptly after use with clean water. Do not allow mixes to dry on tools.
Storage	Store all Durex® Products and components in a dry vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from dampness and moisture and away from direct sunlight. KEEP FROM FREEZING.
Health and Safety	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.
Warranty	Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Durabond's responsibility shall not exceed either the refund of the purchase price or the replacement of the purchased product.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd. sales representative.

