

# GRAPHEXcoat

Puncture and Bird Resistant Coating System

**ADEX GRAPHEXCOAT** is a highly durable exterior coating system manufactured with **GRAPHENE** technology for repair of and prevention against woodpecker pecking and other point-force impacts.

The application of **ADEX GRAPHEXCOAT** is suitable over both new and existing EIFS (Exterior Insulation Finish Systems) and resists forces over 9X times the average pecking force of woodpecker strikes (in tests over 300+ consecutive strikes).

## SUPERIOR DURABILITY.

What is **GRAPHENE**? Simply put, graphene is a thin layer of tightly packed carbon atoms, bonded together in a hexagonal honeycomb pattern...and one of the **STRONGEST** substances known to science.

The typical woodpecker drums surfaces with an average force of 8 Newtons - and with a maximum striking force of 20 Newtons. **ADEX GRAPHEXCOAT** was developed and tested using a machine that strikes repetitively at 75 Newtons. That's over 9X times the average striking force with excellent results (no penetration of the lamina after 300 strikes).

In comparison to similar systems available, ADEX testing of **GRAPHEXCOAT** has shown results of being 3X times stronger than other similar 2-coat rendering systems.



## ULTIMATE DESIGN FLEXIBILITY.

The application of **ADEX GRAPHEXCOAT** is very similar to other ADEX basecoat products, requiring no special tools, meshes, or mixing procedures. Installation easily adapts over all new ADEX systems and repairs all existing types of damaged stucco walls. As a result, **GRAPHEXCOAT** is not only the most durable coating for EIFS - it is also the most cost-effective to apply.

## WARRANTY.

**ADEX GRAPHEXCOAT** has you protected. The available 10-Year Limited Warranty ensures against both product defects and performance failures.

If the **ADEX GRAPHEXCOAT** layer is penetrated by a woodpecker (or other type of bird) ADEX will cover both the cost of material and labour to repair the damaged area. *(Please refer to warranty details)*



# ADEX

ADEX SYSTEMS  
7911 Marco Polo  
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[www.adex.ca](http://www.adex.ca)

## ADEX EIFS - new installation



## EIFS - repair installation



### PRODUCT CODES:

**GRAPHEXcoat-A:** ADGCA

**GRAPHEXcoat-B:** ADGCB

### COVERAGES:

**GRAPHEXcoat-A:** 8 m<sup>2</sup> to 10 m<sup>2</sup>  
(85 ft<sup>2</sup> to 110 ft<sup>2</sup>)

**GRAPHEXcoat-B:** 16 m<sup>2</sup> to 19 m<sup>2</sup>  
(175 ft<sup>2</sup> to 205 ft<sup>2</sup>)

### MIXING:

#### **GRAPHEXcoat-A and B**

Mix 1:1 (by weight) with normal Type-GU Portland Cement. See **GRAPHEXcoat** technical data sheet for more information.

### TEST RESULTS:

#### **PUNCTURE RESISTANCE:**

@20 N: no damage after 25,000 strikes

@55 N: 16,945 strikes

@75 N: 377 strikes

#### **IMPACT RESISTANCE:**

@ 3 Joules = Pass

@ 10 Joules = Pass

#### **WATER VAPOUR PERMEANCE:**

103 ng/pa·s·m<sup>2</sup>

#### **WATER IMPERMEABILITY:**

Pass. No water transmission after 2 hrs.

#### **FIRE RESISTANCE:**

Meets the requirements of Article 3.1.5.5 of the National Building Code of Canada, 2015. Intertek Design No. ASI/WDEIFS 25-01, tested to CAN/ULC S134 (adex-RS system).

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