

DESCRIPTION

- **ADEX GRAPHEXcoat** is an ultra-durable, graphene-reinforced and acrylic polymer-based compound, mixed with Portland cement. **ADEX GRAPHEXcoat** is the main component of a system for new and existing EIFS applications where high impact-resistance is needed or for areas that are prone to Woodpecker damage.
 - Two-coat application
 - **GRAPHEXcoat-A**; thick aggregate coat.
 - **GRAPHEXcoat-B**; smooth, skim coat.
 - “Wet” polymer based
 - Graphene-reinforced
 - Mixed 1:1 (by weight) with Portland Cement
 - Vapour permeable
 - Woodpecker-resistant

PACKAGING

- 27.2 kg (60 lbs) plastic pail. (**GRAPHEXcoat-A** and **GRAPHEXcoat-B**)

COVERAGE

- **GRAPHEXcoat-A**: Approximately 7.5 m² (80 ft²).
- **GRAPHEXcoat-B**: Approximately 20 m² (215 ft²).
- Coverage will vary based on the substrate, job conditions and the individual application techniques.

SURFACE PREPARATION

- **ADEX GRAPHEXcoat** must be installed on an approved substrate or on a surface that has been specifically designed for its use. Preferably on top of a basecoat as part as a **ADEX EIFS** installation or on top of a finish coat as part of a restoration system for **STUCCO** or **EIFS**.
- Surfaces must be clean, dry, and in good condition, without efflorescence, grease, oil or paint.
- Protect and mask surrounding areas from accidental contact with **ADEX GRAPHEXcoat**.

MIXING

The same process is used for mixing the **GRAPHEXcoat-A** and **GRAPHEXcoat-B**

- Mix the contents of the **ADEX GRAPHEXcoat** pail until thoroughly blended. This will remove any settling of the contents due to storage.
- For ease of mixing, split the pail of **ADEX GRAPHEXcoat** into two (2) equal portions. Use only clean containers for mixing.
- Combine **ADEX GRAPHEXcoat** with fresh, lump-free Type GU Portland cement at a ratio of 1:1 by weight. Thoroughly mix to a homogenous state using a paddle mixer and electric drill. Add Portland cement in small increments to prevent lumps from occurring.
- Allow mixture to set up for 5 minutes, then mix again to break the initial set.
- Small amounts of water may be added to adjust the consistency. All other additives (antifreeze, accelerators, or otherwise) are strictly forbidden. Do not overwater.

APPLICATION

- The **ADEX GRAPHEXcoat** is applied in a 2-coat application (**GRAPHEXcoat-A** and **GRAPHEXcoat-B**). Refer to the **ADEX GRAPHEXcoat** application documents for details on installation over new EIFS or to repair existing Stucco or EIFS applications.

TESTING

Point Impact Testing
Stikes before penetration
@20 N : no damage after 25,000 strikes
@55 N : 16,945 strikes
@75 N : 377 strikes

note : 20 N = maximum woodpecker strike (1-in-8 strikes)

- Properties
- Test Method
- Result

CLEAN UP

- Immediately wash tools with water while material is still wet. Hardened material will have to be removed physically.

CURING

- Approximately 24 hours under normal climatic conditions.
- Curing time is dependent upon the ambient and surface temperatures and the relative humidity.
- Protect from rain and freezing temperatures until fully dry.

STORAGE

- Protect material from direct sunlight, extreme heat and freezing temperatures.
- Store unused material in tightly sealed containers.

SHELF LIFE

- Minimum 12 months if properly stored in an airtight container.

LIMITATIONS

- The **ADEX GRAPHEXcoat** cannot be applied on a surface that has been painted.
- Ambient and surface temperatures must be kept at or above 5 °C (41 °F) for a minimum of 24 hours.
- During installation, minimise the containers' exposure to extreme heat (temperatures above 32 °C (90 °F)).

This document contains current information on the product. It is only provided as a guide and is subject to modifications at any time without notice. ADEX Systems Inc. reserves the right to make any modification according to technological progress. Specialised designers, architects, engineers or other professionals that choose to make any use of this information bear the complete responsibility, whatever it be, direct or indirect, that could follow from such use. ADEX Systems Inc. does not bear any responsibility that could give way to damages, defaults, defects, deficiencies, prejudices, loss or decrease of profit, be they direct or indirect, resulting from such use of this information by specialised designers, architects, engineers or other professionals. Please refer to www.adex.ca for the latest version of this document.

June 2018