

### 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 8 m<sup>2</sup> to 10 m<sup>2</sup> (85 ft<sup>2</sup> to 110 ft<sup>2</sup>).
- **GRAPHEXcoat-B**: Approximately 16 m<sup>2</sup> to 19 m<sup>2</sup> (175 ft<sup>2</sup> to 205 ft<sup>2</sup>).
- 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.
- The final dry-film thickness of **ADEX GRAPHEXcoat** shall be no less than 2.5mm (3/32”).

## TESTING

<b>Point Impact Testing</b>
Strikes before penetration test
@20 N : no damage after 25,000 strikes @55 N : 16,000+ strikes @75 N : 377 strikes
note : 20 N = maximum woodpecker strike (1-in-8 strikes)
<b>Water Vapour Permeability</b>
ASTM E96-95 (Requirement $\geq 170$ ng/ Pa·s·m <sup>2</sup> )
Pass.
<b>Water Impermeability</b>
UEAtc Directives for EIFS, Article 3.3.1.1:
Pass.

- 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.
- The use of spray foam insulation in lieu of EPS insulation for filling voids over existing, deteriorated, or damaged EIFS assemblies is not permitted. Any use of spray foam for this purpose shall be considered a non-approved application and will automatically void the **ADEX GRAPHEXCOAT** warranty.
- 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)).

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