

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
Strikes before penetration test
@20 N : no damage after 25,000 strikes @55 N : 16,945 strikes @75 N : 377 strikes
note : 20 N = maximum woodpercker strike (1-in-8 strikes)
Water Vapour Permeability
ASTM E96-95 (Requirement ≥ 170 ng/ Pa·s·m ²)
Pass.
Water Impermeability
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.
- 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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