# PRO-687 DECO TRAVERTINO PLASTER SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR UNDERTAKING

**1.1 Product Identifier:**

PRO-687 DECO Travertino Plaster

Unique Formula Identifier (UFI): HF00-E0RV-2000-4J6Y

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Decorative stucco with lime paste for interior use.

**1.3 Details of the supplier of the safety data sheet:**

**Manufacturer:**

EWI Pro Insulation Systems Ltd
Unit 1-2, King Georges Trading Estate, Davis Road, Chessington, England, KT9 1TT
0800 133 7072
info@ewipro.com
technical@ewipro.com

**Producer:**

COMCAL NATURAL, SL
Av. CAN BORDOLL, 55, Unit 2
Industrial Estate Can Roqueta, Sabadell (Barcelona)
+34 93 729 42 54
comercial@com-cal.com

**1.4 Emergency phone number:**

Environment Agency Emergency Hotline: +44/(0)800 80 70 60

Emergency Services (UK): 999

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

According to Regulation (EC) No. 1272/2008 (CLP):

| Hazard Class | Hazard Category | Hazard Statements |
|---|---|---|
| Skin irritation | 2 | H315: Causes skin irritation |
| Serious eye damage / eye irritation | 1 | H318: Causes serious eye damage |
| Respiratory irritation | 3 | H335: May cause respiratory irritation |

**2.2 Description of hazards:**

GHS05 (Corrosion) GHS07 (Exclamation mark)

H318: Causes serious eye damage.

H315: Causes skin irritation.

H335: May cause respiratory irritation.

**Precautionary Statements:**

P102: Keep out of reach of children.

P280: Wear protective gloves, protective clothing, eye protection and a protective mask.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or a doctor.

P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.

P261+P304+P340+P312: Avoid breathing dust. IF INHALED: Remove person to fresh air and keep at rest. Call a doctor if you feel unwell.

P501: Dispose of contents/container at an appropriate waste collection point.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

**Main Components:**

| Ingredients | CAS No. | % by weight | CLP Classification |
|---|---|---|---|
| Calcium hydroxide | 1305-62-0 | < 25% | H318: Causes serious eye damage<br>H315: Causes skin irritation<br>H335: May cause respiratory irritation |
| Acrylic copolymer in dispersion | mixture/variable | < 5% | Not classified as hazardous |
| Carbonated mineral fillers (dolomite / calcium carbonate) | 16389-88-1 / 471-34-1 | < 30% | Not classified as hazardous |
| Other inorganic additives | – | < 0.5% | Not classified as hazardous |



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## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

**Inhalation:**
Due to the moist nature of the product, inhalation exposure is unlikely under normal conditions of use. However, if fine aerosols or vapours are generated (e.g., by spraying), move the affected person to fresh air. Keep at rest in a comfortable position that allows easy breathing. If irritation symptoms (such as coughing or throat irritation) persist or worsen, seek medical attention.

**Skin contact:**
Remove contaminated clothing. Wash the affected area with water and neutral soap. If irritation persists or lesions develop, seek medical attention.

**Eye contact:**
Rinse immediately and thoroughly with plenty of running water for at least 15 minutes, keeping eyelids open. Due to H318 classification, consultation with an ophthalmologist is mandatory and urgent.

**Accidental ingestion:**
Do not induce vomiting. Rinse mouth with water. If the person is conscious, give water to drink. Seek immediate medical attention.

**4.2 Main symptoms and effects, acute and delayed:**

**Eye contact:**
Direct contact with the wet product may cause serious eye damage (H318). Symptoms include redness, intense pain, heavy tearing, blurred vision and swelling. In severe cases, exposure may lead to chemical burns, ulceration or permanent damage to the cornea, potentially resulting in blindness.

**Skin contact:**
May cause skin irritation (H315), presenting as redness, dryness, itching, burning sensation or scaling. Prolonged or repeated contact—especially with wet product or dust on sensitive or damaged skin—may cause dermatitis, chemical burns or caustic lesions due to the alkaline nature of the product.

**Inhalation:**
Inhalation of aerosols may cause respiratory irritation (H335). Symptoms include coughing, throat irritation, sneezing and mild, temporary breathing difficulty. The risk increases with higher concentrations and longer exposure.

**Ingestion:**
Accidental ingestion may cause irritation and a burning sensation in the mouth, oesophagus and gastrointestinal tract. Symptoms may include abdominal pain, nausea, vomiting and diarrhoea. Ingestion of large quantities may cause significant caustic effects and tissue damage due to the strongly alkaline nature of the product.

**4.3 Indications for medical attention and special treatments to be administered immediately:**

Immediate eye washing on site is required. Examination by a medical specialist is essential to rule out permanent damage to the cornea.

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical powder, or carbon dioxide ($CO_2$).

**Unsuitable extinguishing media:** Avoid using high-pressure water jets, as they may disperse the product and spread the fire.



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**5.2 Specific hazards arising from the mixture:**

At temperatures above 580°C, calcium hydroxide decomposes, releasing water and forming calcium oxide (quicklime), which is corrosive.

**5.3 Advice for firefighters:**

In the event of a fire near the product:

- Use appropriate personal protective equipment, including self-contained breathing apparatus and fire-resistant protective clothing.
- Avoid inhalation of fumes and vapours produced during combustion.
- Keep at a safe distance to avoid exposure to combustion products.
- Cool containers exposed to fire with water spray to prevent rupture and fire spread.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

**6.1.1. For non-emergency personnel:**

- Avoid direct contact with the product, especially with eyes and skin.
- Wear protective gloves and safety goggles if there is a risk of splashing.
- Take care on wet surfaces: the product may leave a slippery film.

**6.1.2. For emergency personnel:**

- No special procedures are required beyond basic use of gloves and eye protection.
- No hazardous vapour formation is expected.

**6.2 Precautions for the environment:**

- Prevent direct discharge into drains or watercourses.

**6.3 Methods and material for containment and cleaning:**

- In case of a spill, contain the area and collect the product using non-reactive absorbent material (e.g., sand, soil).
- Do not use water to push the product into drains.
- Clean residues with hot water and neutral detergent.
- Dispose of waste in accordance with Section 13.

**6.4 Reference to other sections:**

- For personal protective equipment, see Section 8.
- For waste disposal, see Section 13.



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## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for Safe Handling:**

**7.1.1. Protection measures:**

- Avoid prolonged contact with skin and eyes.
- Use protective gloves and goggles if handling large quantities or when spraying.
- Follow the recommendations in Section 8 for the use of personal protective equipment.
- Clean up spills as indicated in Section 6.3.
- Application is recommended in well-ventilated areas.

**7.1.2. Measures to Prevent Fires:**

This product does not present a significant fire risk, but it may burn in the presence of a direct flame. Keep away from heat sources, sparks, or open flames.

**7.1.3. Measures to Prevent Airborne Particles and Dust:**

The product is a liquid mixture and does not generate dust. No specific measures are required in this regard.

**7.1.4. Measures to Protect the Environment:**

- Prevent discharge into sewage systems or watercourses.
- Collect waste in case of spillage and manage in accordance with Section 13.

**7.1.5. General Occupational Hygiene Measures:**

- Wash hands after handling.
- Do not eat, drink, or smoke during use.
- Keep the product tightly closed when not in use.

**7.2 Conditions for safe storage, including any incompatibilities**

- Store in the original container, tightly closed, in a cool, dry place protected from direct sunlight.
- Do not expose to extreme temperatures (preferably between 5°C and 30°C).
- Avoid freezing, as it may affect emulsion stability.
- Keep out of reach of children and animals.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters:**

**Occupational Exposure Limit Values (VLA):**

| Component | OEL (Respirable fraction) | OEL (Inhalable fraction) |
|---|---|---|
| Calcium hydroxide | 1 mg/m³ | 4 mg/m³ |
| Calcium carbonate / Dolomite | 10 mg/m³ | 3 mg/m³ |



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**8.2 Exposure controls:**

**8.2.1. Appropriate technical controls:**

- Use the product in well-ventilated areas.
- For spray applications or use in confined spaces, it may be necessary to enhance general ventilation or use local exhaust ventilation.
- Avoid prolonged skin contact and inhalation of aerosols, especially if applied when hot.

**8.2.2. Individual protective measures, such as personal protective equipment:**

**Respiratory protection:**
Not required under normal conditions of use. For spray applications, use a mask with an appropriate filter (e.g., type A).

**Skin protection:**
Wear resistant protective gloves (e.g., nitrile) in case of prolonged or repeated contact. For industrial use or prolonged handling, wear appropriate work clothing.

**Eye protection:**
In professional or industrial applications, safety goggles are recommended if there is a risk of splashing.

**8.2.3. Environmental exposure controls:**

**Air:** No hazardous emissions are expected under normal conditions of use.

**Water:** Avoid discharge into sewer systems or watercourses. In case of spillage, follow the instructions in Section 6.

**Soil:** No specific measures required, but unnecessary releases should be avoided.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on Basic Physical and Chemical Properties:**

- Physical state: Moist solid in paste form
- Colour: White or other colour depending on the requested pigmentation
- Odour: Odourless or with a slight mineral note
- Melting/freezing point: > 450°C (for major inorganic components)
- Boiling point: Not applicable
- Flammability: Not applicable
- Explosion limits: Not applicable
- Flash point: Not applicable
- Auto-ignition temperature: Not applicable (non-pyrophoric)
- Decomposition temperature: Approximately 580°C, at which point calcium hydroxide thermally decomposes into calcium oxide and water.
- pH: Alkaline (approximately between 12–13 in aqueous solution at 20°C).
- Viscosity: Variable depending on aggregate content.
- Solubility in water: Partially soluble.
- Partition coefficient (n-octanol/water): Not applicable.
- Vapour pressure: Not applicable.
- Density: Not determined for the final paste mixture; the relative density of pure calcium hydroxide is 2.24 g/cm³.
- Vapour density: Not applicable.
- Particle characteristics: The particle size of the mixture varies depending on the requested aggregate, ranging from under 85 µm (98.6–99.3%) for the finest component up to 0–4 mm for the coarsest aggregate.



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**9.2 Other information**

**9.2.1 Information relating to physical hazard classes**

Due to its high pH (>12), contact with the wet product may be corrosive to metals, especially aluminium and other light alloys.

**9.2.2 Other safety characteristics**

The product has a high alkaline reserve due to its calcium hydroxide content.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

As it is an already hydrated paste, it does not present an initial exothermic reaction with water. The product reacts with carbon dioxide ($CO_2$) present in the air (carbonation process), hardening irreversibly to form calcium carbonate.

**10.2 Chemical stability:**

The product is chemically stable under recommended storage and use conditions. It should be kept in sealed containers to prevent premature hardening due to contact with air.

**10.3 Possibility of hazardous reactions:**

Reaction with acids: Reacts violently and exothermically with strong acids.

Reaction with metals: Due to its water content and high pH, it can react with aluminium, brass, and zinc, releasing hydrogen gas (flammable and explosive).

**10.4 Conditions to avoid:**

Exposure to air: Contact with air causes surface carbonation and hardening of the paste, degrading its technical properties.

Extreme temperatures: Avoid freezing (which damages the paste structure) and temperatures above 580°C.

**10.5 Incompatible materials:**

Strong acids (such as hydrochloric or sulfuric acid).

**10.6 Hazardous decomposition products:**

At ambient temperature, no decomposition occurs. If the dry product is subjected to temperatures above 580°C, calcium hydroxide decomposes, releasing water and forming calcium oxide (quicklime), a substance that is highly corrosive and reacts violently with moisture.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:**
Based on available data, the classification criteria are not met (estimated oral LD50 > 2000 mg/kg).

**Skin corrosion/irritation:**
Causes skin irritation (Category 2).

**Serious eye damage/irritation:**
Causes serious eye damage (Category 1).

**Respiratory or skin sensitisation:**
Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:**
Based on available data, the classification criteria are not met.

**Carcinogenicity:**
Based on available data, the classification criteria are not met.

**Reproductive toxicity:**
Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure):**
May cause respiratory irritation (Category 3).

**Specific target organ toxicity (repeated exposure):**
Based on available data, the classification criteria are not met.

**Respiration hazard:**
Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Ecotoxicity:**

Accidental release into aquatic environments causes a sudden increase in pH, which may be lethal to aquatic organisms.

**12.2 Persistence and degradability:**

Not biodegradable due to its inorganic nature. It gradually neutralises through atmospheric carbonation.

**12.3 Bioaccumulative potential:**

Not relevant or does not meet criteria, as the components are inert mineral substances.

**12.4 Soil mobility:**

Not relevant or does not meet criteria, as the components are inert mineral substances.

**12.5 PBT and vPvB assessment results:**

Not relevant or does not meet criteria, as the components are inert mineral substances.

**12.6 Endocrine-disrupting properties**

The product does not contain components with these properties at levels ≥ 0.1%.

**12.7 Other adverse effects:**

Not relevant.

## SECTION 13: DISPOSAL CONSIDERATION

**13.1 Waste treatment methods**

Disposal must be carried out in accordance with current national and EU legislation European Waste Catalogue (EWC) code: 17 01 06* (Mixtures, or separate fractions, of concrete, bricks, tiles and ceramics containing hazardous substances)



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## SECTION 14: TRANSPORT INFORMATION

**14.1 Classification**

The product is not subject to international regulations for the transport of dangerous goods (ADR, RID, IMDG, IATA).

## SECTION 15: REGULATORY INFORMATION

**15.1 Regulations and legislation on health, safety, and environment specific to the mixture:**

Regulation (EU) 2020/878, amending Annex II of Regulation (EC) No. 1907/2006 (REACH), concerning the registration, evaluation, authorisation and restriction of chemical substances and mixtures.

Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).

**15.2 Chemical Safety Assessment:**

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: OTHER INFORMATION

**16.1. Abbreviations and Acronyms:**

CAS: Chemical Abstracts Service, a division of the American Chemical Society

VLA-ED: Occupational exposure limit value (daily exposure limit)

CLP: Classification, Labelling and Packaging

GHS: Globally Harmonised System

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

The information provided in this datasheet is based on the data available to us at the date of its publication.

It is the user's responsibility to take appropriate precautionary measures and apply the recommendations described previously. The information presented in this datasheet should not be considered exhaustive.

Any use of the product not specified in the instructions on the packaging, our website, or other documents provided by our company is entirely the responsibility of the user.



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