PRO-684 DECO LIME PRIMER SAFETY DATA SHEET

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

1.1 Product Identifier:

PRO-684 DECO Lime Primer

UFI: FCOO-X02F-ROOH-F6MW

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

Primer and preparation of surfaces for construction systems.

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:

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 tract 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 face protection

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 INFORMATION 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 and container at an appropriate waste collection point

2.3 Other hazards

This substance/mixture does not meet PBT criteria under Annex XIII of REACH

This substance/mixture does not meet vPvB criteria under Annex XIII of REACH

Does not contain PBT/vPvB substances ≥ 0.1%

The mixture does not contain substances with endocrine-disrupting properties according to Article 59(1) of REACH, nor substances identified as endocrine disruptors under EU Regulations (EU) 2017/2100 or (EU) 2018/605 at concentrations ≥ 0.1%

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Ingredients	CAS No.	% by weight	CLP Classification
Calcium hydroxide / lime water	1305-62-0	60%–70%	H318: Causes serious eye damage H315: Causes skin irritation H335: May cause respiratory irritation
Hydromagnesite	12072-90-1	15%–20%	Not classified
Vinyl acetate–ethylene copolymer	Mixture/variable	5%–10%	Not classified

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation:
Due to the wet 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 facilitates breathing. If symptoms of irritation (such as coughing or throat irritation) persist or worsen, seek medical attention.

Skin contact:
Remove contaminated clothing. Wash the affected area with plenty of soap and water. If irritation persists or a rash develops, seek medical advice.

Eye contact:
Rinse immediately and thoroughly with plenty of running water for at least 15 minutes, keeping the eyelids open. Due to classification H318, 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, pain, tearing, blurred vision, and swelling. In severe cases, exposure may lead to permanent eye damage or blindness.

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

Inhalation:
Inhalation of aerosols can cause irritation of the respiratory tract (H335). Symptoms include coughing, throat irritation, sneezing, and temporary breathing difficulty. Irritation increases with concentration and duration of exposure.

Ingestion:
May cause irritation and a burning sensation in the mouth, oesophagus, and gastrointestinal tract. Symptoms may include abdominal pain, nausea, vomiting, and diarrhoea. Large ingestion 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. Assessment by a medical specialist is essential to rule out permanent damage to the cornea.

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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.

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 case of fire in the immediate surroundings of the product:

- Use appropriate personal protective equipment, including self-contained breathing apparatus and fire-resistant protective clothing
- Avoid inhalation of fumes and vapours generated during combustion
- Stay upwind to reduce 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
On wet surfaces, take care: the product may leave a slippery film

6.1.2. For emergency personnel:

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

6.2 Precautions for the environment:

Avoid discharging directly 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 wash the product into drains
Clean residues with hot water and a neutral detergent

Dispose of waste in accordance with the provisions set out in 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:

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

7.1.2. Measures to Prevent Fires:

The 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:

Avoid discharge into sewer systems or bodies of water
Collect residues in case of a spill and manage them according to Section 13

7.1.5. General Occupational Hygiene Measures:

Wash hands after handling
Do not eat, drink, or smoke while using the product
Keep the container 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 and protected from direct sunlight
Do not expose to extreme temperatures (preferably between 5°C and 30°C)
Avoid freezing, as it may alter the stability of the emulsion
Keep out of reach of children and animals

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limit values (LEP 2025):

Component	OEL (Respirable Fraction)	OEL (Inhalable Fraction)
Calcium hydroxide	1 mg/m³	4 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 confined spaces, it may be necessary to enhance general ventilation or use local exhaust extraction
- Avoid prolonged contact with skin and inhalation of aerosols, especially when applied by spraying

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

Respiratory protection:
Not required under normal conditions of use.
For spray application, use a suitable 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 applications or prolonged handling, wear suitable work clothing.

Eye protection:
For professional and industrial use, wear safety goggles 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 a spill, follow the instructions in Section 6

Soil:
No specific measures required, but avoid unnecessary release

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Physical state: Liquid
Colour: Milky white
Odour: Odourless or slight mineral note
Melting/freezing point: ~0°C (mainly aqueous phase). Solid components (lime) melt at ~450°C
Boiling point: ~100°C
Flammability: Not applicable
Explosive limits: Not applicable
Flash point: Not applicable
Auto-ignition temperature: Not applicable (not pyrophoric)
Decomposition temperature: Approx. 580°C, when calcium hydroxide thermally decomposes into calcium oxide and water
pH: Alkaline (approximately 12–13)
Viscosity: 8400 cps (Brookfield RV, spindle 3, 12 rpm, 24°C; reading taken 1 minute after mechanical agitation)
Solubility in water: Miscible in water. Solid components (pigments and fillers) are insoluble but remain suspended
Octanol/water partition coefficient: Not applicable
Vapour pressure: ~2.3 kPa (similar to water at 20°C)
Relative density: 1.1 g/cm³
Vapour density: Not applicable
Particle characteristics: Not applicable

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9.2 Other information

9.2.1 Information regarding 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

Has a high alkaline reserve due to its calcium hydroxide content.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

As it is already hydrated hydroxide, 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 must be kept in sealed containers to prevent premature hardening through contact with air.

10.3 Possibility of hazardous reactions:

Reaction with acids: Reacts vigorously and exothermically with strong acids

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

10.4 Conditions to avoid:

- Exposure to air: Causes surface carbonation and hardening of the paste, degrading its technical properties
- Extreme temperatures:
    - Avoid freezing (damages the structure of the paste)
    - Avoid temperatures above 580ºC

10.5 Incompatible materials:

Strong acids (e.g. hydrochloric or sulphuric acid)

Reactive metals (aluminium and light alloys)

Strong oxidising agents

10.6 Hazardous decomposition products:

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

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:
Based on available data, the classification criteria are not met (estimated oral LD_{50} > 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

Aspiration 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 harmful or 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 these are inert mineral substances.

12.4 Soil mobility:

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

12.5 PBT and vPvB assessment results:

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

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12.6 Endocrine-disrupting properties

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

12.7 Other adverse effects

Not applicable

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Disposal must be carried out in accordance with applicable national and EU legislation.

European Waste Catalogue (EWC) code:

08 01 12 – waste paint and varnish other than those specified in 08 01 11

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, which amends Annex II of Regulation (EC) No. 1907/2006 (REACH), concerning the registration, evaluation, authorisation, and restriction of chemicals and mixtures
- Regulation (EC) No. 1272/2008 (CLP) on classification, labelling, and packaging of substances and mixtures

15.2 Chemical Safety Assessment:

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

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SECTION 16: OTHER INFORMATION

16.1. Abbreviations and Acronyms:

CAS: Chemical Abstracts Service (a division of the American Chemical Society)

VLA-ED: Daily occupational exposure limit value

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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