eco-parge

DEVELOPED FOR USE WITH THE POROTHERM CLAY BLOCK WALLING SYSTEM

Porotherm
A Wienerberger Brand

eco-parge is part of the ecorend™ range from LaRoc Building Solutions Ltd

Technical Datasheet

FEATURES
- X-Pan Technology
- Highly Flexible
- Vapour Permeable
- Eco-friendly
- C2 Adhesion
- Odourless

DESCRIPTION
eco-parge is a high performance modern parge coat that has been specifically designed and tested for fast application onto Porotherm clay blocks. Engineered to increase air tightness and to optimise the sound and thermal performance of Porotherm clay block walls, prior to dry lining.

eco-parge has been designed to be applied by brush or roller ensuring fast de-skilled application. An ultra high polymer modified product, on application the cross linked polymers grab to the inside of the open joints then the X-pan technology takes effect, as the product starts to cure it expands fully filling and sealing the joints.

COLOUR
White.

TYPICAL SUBSTRATE
Porotherm clay block.

PLEASE NOTE
Do not apply if frost is forecast within 24 hours, in wet conditions, in temperatures below 5°C or above 30°C, or to substrates that are hot.

Never add water or fresh product and / or powder to an eco-parge mix that has already started to set.

PREPARATION
All surfaces must be sound, clean, dry and free of any material which may impair adhesion.

MIXING
eco-parge should be mixed with clean water at a rate of approximately 9-10 litres per 25kg bag using a suitable drill with whisk attachment, mix for 5 min, allow standing for 5 min then remix. This process allows the chemical additives to dissolve and activate. Note: eco-parge may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water. eco-parge has an open time of 3 hours.

APPLICATION
Note: Product is to be applied to the internal, room facing block work. (Both block faces & joints)

Brush
Using a soft-headed broom, load the brush with the product then work the product into the joint ensuring the product is filled into the joints. Once the joints are filled and loaded, stroke the material out in a horizontal manner to cover the face of the blocks, this will flatten the surface out, ensuring a level surface is achieved.

Roller
Using a roller load the roller with the product then work the product into the joints ensuring the product is filled into the joints. Once a liberal coat has been applied into the joints and onto the face of the blocks, take the roller from top to bottom rolling down ensuring good pressure is applied this will flatten the surface down, ensuring a level surface is achieved.

COVERAGE
eco-parge: 1.8kg / per mm thick / per m2
Average thickness: 1-3mm required = 1.8kg-5.4kg per m2

Note
These estimates take no account of wastage.

Technical Datasheet

ECOTEK

Ecotek technology has been developed as part of our commitment to the environment; in particular the use of sustainable products within our manufactured materials. This technology uses the highest quality pure plate clear recycled glass and offers the following advantages:

- Mechanically improves the workability of the product.
- Compatible with white / light coloured cements.
- Less absorption of water, therefore improves structural strength and performance of the product.
- Non-crystalline nature of the glass improves its waterproofing properties and is non-toxic. Please see Ecotek technology technical data sheet for further information.

PACKAGING & STORAGE

eco-parge is supplied 25kg paper sacks; palletised (40) bags and shrink wrapped. When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

HEALTH & SAFETY INSTRUCTIONS

- Contains Portland Cement.
- Irritating to skin.
- Risk of serious damage to eyes.
- Keep out of reach of children.
- Avoid contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
- Wear suitable gloves and eye / face protection.
- If swallowed, seek medical advice immediately and show this container or label.

For further information, please request the material safety data sheet for this product.

QUALITY CONTROL

All products are factory blended, tested and packaged to quality control procedure in accordance with BS EN ISO 9001 series.

TECHNICAL DATA

Conformity:	Conforms to the requirements of BS EN 12004 / 12002 C2TE S1
Tensile strength:	6 hrs >0.50N/mm2 12 hrs >0.75N/mm2 24 hrs >1.00N/mm2
Transverse deformation:	Classification S1 (deformation greater than or equal to 2.5mm and less than 5mm)
Application temperature:	5°C to 25°C
Service temperature range:	-20°C to +80°C
Mixing ratio:	5.5 - 6.5 litres of water to 25kg powder
Open time:	3 hrs at 20°C
Set time:	12 hrs at 20°C
Shelf life:	12 months in cool dry area
Sizes:	25kg

Safety Data Sheet

Data Sheet according to 1907/2006/EC, Article 31

1 Identification of the substance/preparation and of the company/undertaking

Product: ECO-PARGE
Expected Use: Internal Parge Coat
Synonyms:
Company Name: La Roc Building Solutions Ltd.
Dalton Industrial Estate
Dalton
North Yorkshire
YO7 3HE
Tel: 0845 5194 779
Fax: 0845 5194 778

2 Composition/Information on Ingredients

A blend of hydraulic silicates, aluminates, mineral fillers, rheology controlling admixtures and polymers

Ingredient	CAS No	% Composition	Classification/Symbol		R Phrases
Portland Cement	65997-15-1	20-55%	Irritant		R36/37/38

3 Hazard Identification

Classification of Substance

Irritant 

Description of Hazard
Contact with eyes : May cause irritation to the eyes
Contact with skin : May cause irritation to the skin
Inhalation : May cause irritation to the nose and mouth due to dust
Ingestion : May cause gastric irritation to some individuals
Cement when wet may cause burns therefore it is sensible to wear the appropriate protective clothing – see section 8.

4 First Aid Measures

Eye contact
Irrigate with clean running water for at least 15 minutes.
Seek medical advice if irritation persists.

Skin Contact
Wash of with copious amounts of water.
Seek medical attention if irritation persists.

Ingestion
Drink copious amounts of water.
If large amounts are ingested, seek medical attention.

Inhalation
Remove person to fresh air.
If recovery is not rapid, seek medical attention.

5 Fire Fighting Measures

Special Circumstances/Conditions : None
Exposure Hazards : No anticipated hazardous products of combustion
Personal Protective Equipment : Suitable protective clothing and gloves
Extinguishing Media: : CO_2, foam

6 Accidental Release Measures

Minor Releases
Personal Protection : Suitable protective clothing, gloves
Environmental Protection : Avoid contamination of water ways and cultivated areas.
Spill Control Guidance : Confine spill and sweep up or vacuum to avoid generating excessive dust.
Dispose of by landfill in accordance with local regulations.
Decontamination : Water spray

Major Releases
Personal Protection : Suitable protective clothing, gloves
Environmental Protection : Avoid contamination of water ways and cultivated areas.
Spill Control Guidance : Confine spill and sweep up or vacuum to avoid generating excessive dust.
Dispose of by landfill in accordance with local regulations.
Decontamination : Water spray

7 Handling & Storage

Handling: Handle in well ventilated areas using methods that minimise dust. Dispose of waste by landfill in accordance with local regulations.Avoid contamination of water ways and cultivated areas.

Storage: Store in unopened bags clear of the ground in cool, dry conditions, protect from excessive draughts. Keep out of the reach of children.

8 Exposure Controls/Personal Protection

Exposure Limit Values

Substance/Ingredient	OEL 8hr TWA		STEL		Comments
	ppm	mg/m³	ppm	mg/m³	
Total Inhalable Dust		10			
Respirable Dust		4			

9 Physical & Chemical Properties

Appearance:	Grey Powder	Vapour Pressure:	Not applicable
Odour:	None	Bulk Density:	1300 – 1500 kg/m3
pH:	12-14 when wet	Specific Gravity:	Not applicable
Boiling Point:	Not applicable	Solubility Water:	<2%
Melting Point:	Not applicable	Other:	Not applicable
Flash Point:	Not applicable	Partition Coefficient:	Not applicable
Flammability Limits:	Not flammable	Viscosity:	Not applicable
Oxidising Properties:	Not applicable	Vapour Density:	Not applicable
		Evaporation Rate:	Not applicable

10 Stability & Reactivity

Stability:	Stable
Conditions to avoid:	None
Materials to avoid:	Oxidising agents, strong acids
Hazardous decomposition:	None
Products:	
Hazardous polymerisation:	Not applicable

11 Toxicolgical Data

Oral Toxicity:	Product is of low oral toxicity
Dermal Toxicity:	Product is of low dermal toxicity, although some irritation to skin may occur
Sensitisation/Irritation:	Persistent skin contact with wet product may give rise to sensitisation, Irritant to eyes due to physical abrasion effects of powder and burning in wet condition Material is not biodegradable
Carcinogenicity/Mutagenicity:	Not known
Long Term Effects:	Chronic effects – high repeated dosage above OEL may be linked to Rhinitis.

12 Ecological Information

Ecotoxicity:	May be toxic to aquatic life, although not classified as a marine pollutant
Mobility:	Slightly soluble in water
Persistance & Degradability:	Material is not biodegradable
Bioaccumulative Potential:	Not known
Other Adverse Effects:	Not known

13 Disposal Considerations

Descriptive

Dispose of this material to a landfill site, in accordance with local or national disposal regulations.

Dispose of empty bags to a landfill site, or incinerator in accordance with local or national disposal regulations.

14 Transport Data

Key Data

UN Number : Not required:	Not required
Proper Shipping Name:	
Class:	
Packing Group:	
Secondary Hazard:	
ADR/RID:	
IMDG:	
EmS:	
MFAG:	
IATA:	