LANKOREP FACADE

PAREX
Technical Mortars

Product Overview

- **Application range: 1 to 40mm per pass**
- **Conforms to EN 1504-3 class R2**
- **Consistency: thixotropic mortar**
- **Applicable in thick section**
- **Smooth finish**
- **Suitable for vertical and overhead application**
- **Can be overpainted after 24 hours**

Description

Lankorep Facade is a balanced shrinkage mortar based on special cements with selected graded silica aggregates, fibres and admixtures.

The self-contained product only needs to be mixed with water on site. The product has low chloride content and can therefore be safely used in contact with steel reinforcement. After placement no special curing is required in moderate ambient conditions. In rapid drying conditions, expected rain or frost protection should be applied.

732 Lankorep structure is suitable for the following repair methods as defined in BS EN 1504.

3.1 – Manual mortar application.

3.3 – Mechanical mortar application.

5.3 – Increasing physical resistance – adding mortar or concrete.

6.3 – Resistance to chemicals – adding mortar or concrete.

7.1 – Preserving or restoring passivity – increasing cover with additional mortar or concrete.

7.2 – Preserving or restoring passivity – replacing contaminated or carbonated concrete.

CE		
0333		
EN1504-3		
Products for structural repair CC Mortar (based on hydraulic cement)		
Compressive strength	EN 12190	Class R2
Chloride ion content	EN 1015-17	≤ 0.05%
Adhesive bond	EN 1542	≥ 0.8MPa
Restrained shrinkage / expansion	EN 12617-4	≥ 0.8MPa
Carbonation resistance	EN 13295	Passes
Elastic modulus	EN 13412	23.9 GPa
Thermal compatibility Part1:	≥ 0.8MPa	
Thermal compatibility Part2:	≥ 0.8MPa	
Thermal compatibility Part3:	≥ 0.8MPa	
Capillary absorption	≤ 0.5kg/m².h°⁵	
Dangerous substances	Complies with 5.4	
Reaction to fire	Euroclass A1	

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Usine d'Isle sur la Sorgue ZI de la Grande Marine – 84800
L'Isle sur la Sorgue
09
No. 0333-CPD-03007

Specifications

Active constituents containing hydraulic binders and synthetic fibres; contains no metal particles

- **Grey, ready to mix powder**
- **Particle size: 0-0.4mm**
- **Set density: 2000kg/m³**
- **Slump (Abrams half cone): 20mm**
- **Mortar pH: 12.5**
- **Working life: approx. 30min at 20°C**

Setting times

Temperature	+5°C	+20°C	+35°C
Initial set / h	8	2	1.5
Final set / h	10	3	2.5

Mechanical strength profile (+20°C / 90% RH)

Age/ days	1	7	28
Compressive	11	30	40
Flexural	3	5.5	7

Quality Management Systems

Occupational Health & Safety Systems

Environmental Management Systems

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LANKOREP FACADE

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Instructions For Use

Batching summary

Application	Manual
Powder	25kg
Water	4.75 to 5.5 litres
Yield	12 to 13 litres
Consumption	2kg/m²/mm

Preparation

Laitance and all loose material including dust, oil and grease should be removed in order to produce a sound substrate. Cut free any corroded steel and clean back to bright metal. The work area should be pre-wetted taking care to remove any standing water. Passivize exposed steel with a bonding slurry coat mixed of Lankorep Facade and Parex Latex.

Mixing

To achieve the most consistent mortar mix, mechanical mixing using a forced action mixer such as the Creteangle is recommended. Small mixes may be made using a heavy duty slow speed high torque drill and Mortar Stirrer.
Lankorep Facade requires mixing with clean water. The quantity of water required per 25kg is 4.75 to 5.5 litres. Slowly add the powder to the water in the mixing vessel. Mix for at least 3 minutes to obtain the correct consistency. If the material is allowed to stand a false setting phase may occur, remix to restore the original consistency. Excess water should not be added. Once setting of the mortar has commenced, further mixing should not be used to re-work the mix.

Placing

Apply the mixed material by trowel or gloved hand firmly to the repair area ensuring full contact. Build up to the required thickness. Float or smooth off the repaired surface.

Over-coating

The following types of coating are suitable for use in conjunction with Lankorep Façade:
- ✓ Thin film (acrylic or pliolite) class D2
- ✓ Semi-thick coatings – class D3
- ✓ Mineral paints
- ✓ Waterproofing system

Accreditations

Parex Ltd has an integrated management system that is externally accredited to ISO9001, ISO14001 and OHSAS18001.

Precautions

During Placing
- Application temperature range +5 to 35°C
- Do not apply to substrates that are likely to be affected by frost or thawing
- Substrate must be clean, sound and free of loose material
- Active cracks should be made passive prior to application
- Saturate repair area with water prior to application
- Once finished, protect the repair from drying conditions using Polycure where necessary
- Shelf life 12 months from date of manufacture

Health and Safety

Lankorep Facade is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice.

Full health and safety details are given in Product Safety Data Sheet.

Fire

Lankorep Facade is non-flammable. Fire Class A1.

Packaging and Ordering

732 Lankorep Facade is supplied in:
25kg valve sack bags   Product Code L732

For further information and sales please contact your local Parex Office as listed below.

Quality Management Systems   Occupational Health & Safety Systems   Environmental Management Systems

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