

ANTI-ABRASION MORTAR
FOR SPRAY APPLICATION IN SEWERAGE SYSTEMS
HIGT ANTIABRASION STRENGTH

738
LANKOCRETE
ABRASION

R E P A I R I N G A N D G R O U T I N G

LANKO



CHARACTERISTICS

- **High abrasion resistance.**
- **Wet spray application.**
- **Resistant to chemical and bacteriological corrosion (pH >4).**
- **High short-term mechanical resistance.**

DESCRIPTION

738 LANKOCRETE ABRASION is a ready-to-use mortar composed of aluminate cement, synthetic aggregates and fibres, designed for use in the protection of structures located in aggressive environments.

USES

- Repairs to base plates of structures subject to abrasion and chemical corrosion.
- Repairs to sight holes.
- High resistance screed and surface coatings : dam weirs pumping stations, sewage treatment stations .

SPECIFICATIONS

- Colour : Grey
- Particle size : 0 - 3 mm.
- Apparent paste density : 2.3
- pH mortar : 12.5
- Chloride and metal particle free

Setting time* Plastic consistency

Temperature	20°C
Initial setting	8 hours
Final setting	9 hours

* Average laboratory values provided as a general guide

Mechanical strength (MPa)*

Period	1 days	28 days
Compression	50	72
Bending	7	10

* Tests carried out on 4 x 4 x 16 samples, kept at 20°C and 90% humidity. Average laboratory values provided as a general guide.

Abrasion resistance at 28 days :

	CNR index
738 LANKOCRETE ABRASION	1.3
Granite	0.35
Glass	1
Standard concrete B25	2-3

Adhesion to concrete at 28 days (MPa)*

Tensile bonding in accordance with the following standard
P 18-858 " Tensile bonding on rough concrete"
Bonding value : 1.5 - 2 MPa

* Average laboratory values provided as a general guide



CONSUMPTION

2.3 kg / m²/mm thickness.

PACKAGING

- 25kg bag

STORAGE

1 year from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

WORK INSTRUCTIONS

Substrate preparation

- Substrates must be clean, sound and rough.
- Dampen prior to application.

Product preparation

- Machine-mix one 25 kg bag of 738 LANKOCRETE ABRASION with 3.6 ± 0.2 litres of clean water.
- Mix well until the compound is evenly distributed.

Application

- Wet or dry spray applications are possible with 738 LANKOCRETE ABRASION. Application by hand is also possible.
- Return to service : 24 hours, depending on ambient conditions.
- Machine pipes should always be greased with a slurry of aluminate cement milk before pumping and spraying begins.
- Apply in 20 mm thick layers up to a maximum thickness of 60 mm
- Apply without interruption.
- Protect the surface imperatively with application of a curing compound (361 LANCURE).

Dosage /Yield (Plastic consistency)

738 LANKOCRETE ABRASION	25 kg
Water	3.6 litres
Workable mortar	13.1 litres

PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Protect the surface with application of a curing compound 361 LANCURE.
- Do not mix with other binders.
- Do not use admixtures.
- Do not use Portland cement to grease the machine pipe.
- Use only in moisture area condition.
- Refer to the safety data sheet.