

LANKO



CHARACTERISTICS

- Pumpable or sprayable
- Protection of structures in aggressive environment
- Large thickness, up to 60 mm
- Ready-to-use
- Fast setting and hardening
- Abrasion resistant

DESCRIPTION

739 LANKOCRETE SPECIAL is a ready-to-use mortar composed of special cement, silicious sand and fibres.

USES

- Rapid repairs to sewerage systems and hydraulic structures (oval foundation plates, penstock, dam weirs).
- Joint-filling for masonry structures

SPECIFICATIONS

- Colour : Grey
- Particle size : 0 - 1.6 mm.
- Apparent paste density : 2.2
- pH mortar : 12.5
- Chloride free

Setting time* Plastic consistency

Temperature	20°C
Initial setting	2 h 50
Final setting	3 h 50

* Average laboratory values provided as a general guide

Mechanical strength (MPa)*

Period	1 days	7 days	28 days
Compression	20	40	55
Bending	4	7	9

* 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
739 LANKOCRETE SPECIAL	< 2



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 (no damaged concrete, mineral salts and organic elements).
- Dampen prior to application.

Product preparation

- The mortar is made up by mixing 739 LANKOCRETE SPECIAL with 2.7 ± 0.2 litres of potable water.

Application

- Application of a rough coat of 739 LANKOCRETE SPECIAL is recommended
- Apply by trowel, pressing firmly onto the substrate.
- Apply by machine in 10 mm thick layers up to a maximum thickness of 60 mm
- Machine pipes should always be greased with a slurry of Portland cement only before pumping and spraying begins.

Micro-concrete

- For large thicknesses a micro-concrete of 739 LANKOCRETE SPECIAL should be used.
- Application of a liquid rough coat is recommended (739 LANKOCRETE SPECIAL + solution 1 part water / 1 part 751 LANKOLATEX).
- Level off with a straight-edge until 10 cm thickness maximum.
- After 4 - 8 hours, redampen the surface and apply a 20 - 60 mm thick finishing coat of pure mortar.

Finishing

- Smooth or float the surface before final setting.
- Keep the surface damp by misting or applying 361 LANCURE.
- In service : 24 hours after application

Dosage/Yield (Pure mortar)

739 LANKOCRETE SPECIAL	25 kg
Water	2.7 litres
Workable mortar	12 litres

Dosage/Yield (Micro-concrete)

739 LANKOCRETE SPECIAL	25 kg
3/8 ballast	15 litres
Water	3.3 litres
Workable mortar	20 litres

PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Substrates must be soaked, but not running with water.
- Protect the surface with application of a curing compound 361 LANCURE.
- Do not mix with other hydraulic binders.
- Do not use admixtures.