

215 LANKOINJECT AQUA MOUSSE

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PRODUCT FEATURES

- ▶ Single-component
- ▶ Rapid reaction
- ▶ Adjustable catalyst dosage

CONSUMPTION

- ▶ Given the varying size of cracks and voids, it is clearly not possible to provide a precise estimate of the volume of product required for filling cracks / cavities

DESCRIPTION

- Single-component polyurethane resin that reacts rapidly when brought into contact with water to form a rigid foam.

USES

- **215 LANKOINJECT AQUA MOUSSE** is a resin specifically designed for treating water seepage through concrete structures by counter pressure injection.
- Once injected, **215 LANKOINJECT AQUA MOUSSE** reacts with water in order to form a compact (closed-cell) foam, most of which will expand behind the wall that has been treated. The hardened foam will prevent the water from seeping through the structure.
- Once the seepage has been completely stopped, a waterproof coating or sealant can be applied.
- Injection of **215 LANKOINJECT AQUA MOUSSE** must be performed with suitable equipment, i.e. with a manual or automatic piston pump.
- **215 LANKOINJECT AQUA MOUSSE** is specifically designed for injecting into cracks and joints that are not subject to movement or packing-down.

SPECIFICATIONS

- **Colour:** dark brown
- **Free expansion:** 1 700%-2 200%
- **Resin density:** 1.10-1.20
- **Catalyst:** 0.92 approx.
- **Viscosity at 25°C:**
 - Resin: 111 mPa.s
 - Catalyst: 36 mPa.s
- **215 LANKOINJECT AQUA MOUSSE** forms a hard, highly resistant watertight seal in cracks or joints.
- Rapid reaction product that can be used for both treating and blocking high flow and/or high pressure water seepage.
- Penetrates deeply into thin cracks.
- The reaction with water produces carbon dioxide which increases the pressure. The resin therefore forms a hard foam that totally prevents water penetration.
- Zero shrinkage after polymerization.
- Excellent adherence to concrete, mortar, brickwork, natural stone and metal.
- The polymerization rate is dependent upon the quantity of catalyst used and the conditions of use.

- The hardened foam produced by **215 LANKOINJECT AQUA MOUSSE** provides good resistance to acids and weak bases, mineral oils, micro-organisms, underground water, sea water and petroleum products.
- **215 LANKOINJECT AQUA MOUSSE** is compliant with EU REACH legislation.
- **Reaction time:**
65 g Resin + % catalyst + 20 g water

10°C

% catalyst	2%	6%	9%
Reaction starts	55"	26"	20"
Reaction ends	4'18"	1'38"	1'10"

15°C

% catalyst	2%	6%	9%
Reaction starts	46"	21"	18"
Reaction ends	4'06"	1'34"	1'15"

20°C

% catalyst	2%	6%	9%
Reaction starts	44"	19"	13"
Reaction ends	3'30"	1'17"	54"

25°C

% catalyst	2%	6%	9%
Reaction starts	38"	18"	12"
Reaction ends	3'15"	1'16"	51"

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PACKAGING

- ▶ Resin: 25 kg metal drum
- ▶ Catalyst: 2.3 kg plastic container

STORAGE

- ▶ **12 months**
from date of manufacture if stored in unopened original packing in dry, temperature controlled conditions

WARRANTY

- ▶ Manufacturer's liability

INSTRUCTIONS

■ INJECTION SET-UP

- This product may only be applied by specialist firms. Injection is performed using a manual, pneumatic or electric pump, fully equipped with all necessary accessories (injection rods, valves, connectors, etc.).

■ POSITIONING OF INJECTORS

- Drill two lines of holes around the crack to be treated at a distance of between 20 cm and 50 cm.
- The holes must be drilled at an angle of 45° to the wall surface so as to go towards the base of the crack that is to be filled.

■ MIXTURE PREPARATION

- **215 LANKOINJECT AQUA MOUSSE** resin and **215 LANKOINJECT AQUA MOUSSE** catalyst are mixed together and the resulting mixture is injected into the crack using a manual, electric or pneumatic single component pump.
- Thanks to its low viscosity, the resin penetrates deeply into the crack. When brought into contact with water, **215 LANKOINJECT AQUA MOUSSE** forms a rigid foam.

■ CLEANING

- Clean tools and equipment with **725 LANKODILPOX** whenever left unused for more than 15 minutes.
- When injection is completed, rinse the equipment with **725 LANKODILPOX** until all traces of resin have been removed.

TECHNICAL ASSISTANCE. ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

TECHNICAL DATA SHEET ISSUED - September 2017

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at www.parexlanko.com

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PRECAUTIONS

- Avoid any contact of **215 LANKOINJECT AQUA MOUSSE** resin and/or **215 LANKOINJECT AQUA MOUSSE** catalyst with the skin and eyes.
- Suitable personal protection equipment (safety goggles, gloves and overalls) must be worn.
- In the event of eye contact: rinse thoroughly with water and consult a doctor.
- In the event of skin contact: rinse thoroughly with water.
- Absorb resin spillages with sand and dispose of in compliance with local regulations in force.
- The resin reacts with water and with humidity in the ambient air to produce carbon dioxide. As a result, there may be a build up of gas pressure in packaging that has been opened and then closed again.
- Refer to the Safety Data Sheet.