

532 UTAREP H 80 C



PRODUCT FEATURES

- ▶ Excellent bonding to dry or lightly damp surfaces
- ▶ Bonding hardened concrete to hardened concrete

CONSUMPTION

- ▶ Approximately 1.5 kg/m² for a 1 mm film

REFERENCE DOCUMENTS

- ▶ Structural bonding product compliant with NF 030
- ▶ CEBTP test report N° 3113-6208 JM/CGV; CEBTP test report N° B 252-6373/1; CEBTP test report for «Steel/concrete bonding». N° B 252-7-475/1
- ▶ CE Performance Statement

PACKAGING

- ▶ 1 kg kit
- ▶ 5 kg kit

STORAGE

- ▶ **24 months** from date of manufacture if stored in unopened original packing in dry, frost-free conditions and protected from high temperatures

WARRANTY

- ▶ Manufacturer's liability

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

PAREXGROUP S.A. 19 place de la Résistance - CS 50053
92445 Issy-les-Moulineaux Cedex - Tél. (33) 01 41 17 20 00
Technical information : 0 826 08 68 78 (0.15 €/min + phone call price)

PAREXLANKO



DESCRIPTION

- Dual-component, solvent-free structural epoxy adhesive.

USES

- Bonding of wedged precast elements such as arch stones and keystones in corbelled constructions.
- Bonding of :
 - Metal on concrete
 - Stone on concrete
 - Neoprene pads on concrete
- **532 UTAREP H 80 C** is a structural adhesive for use in the protection and repair of concrete structures in compliance with Standard EN 1504-4.
- It is used in accordance with the following principle and method defined in this standard:
 - Principle 4: structural strengthening.
 - Method 4.4 Strengthening by adding mortar or concrete (bonding hardened concrete to hardened concrete).
- **532 UTAREP H 80 C** is NF-certified as a structural adhesive for bonding hardened concrete to hardened concrete (NF 030 AFNOR).
- Compatible with metal substrates and sanded PVC substrates.
- Suitable for bonding **263 LANKOPONTAGE** bridging strip.

SPECIFICATIONS

- **Solvent-free paste**
- **Resin colour:** white
- **Hardener colour:** black
- **Mixture colour:** grey
- **Resin/hardener ratio:** 1/1 by weight and volume
- **Mixture density at + 23°C:** 1.5
- **Dry extract:** 100%
- **Pot life:** 26 min at + 23°C
- **Open time:**
 - 3 hours at + 23°C
 - 45 min at + 35°C

Bond strength (MPa) at 28 days (1)

Concrete pull-off test

Dry concrete	> 3
Damp concrete	> 2

(1) Average laboratory values with 21% water provided as a general guide.

(2) Tests carried out on 4 x 4 x 16 samples, kept at 23°C and 50% humidity. Average laboratory values provided as a general guide.

PRECAUTIONS

- Temperature range for use: + 5°C to + 40°C (below + 5°C the mixture is not damaged but cannot polymerize).
- Substrates must be clean and sound.
- Substrates must be dry or slightly damp, not seeping with water.
- Comply with pot life specifications.
- Avoid prolonged skin contact: gloves and eye protection should be worn.
- Refer to the Safety Data Sheet.

Mechanical strength (MPa) at 28 days (2)

Compressive	83 ± 15 MPa (EN 12190)
Shearing	32 (± 6 MPa)
Modulus of elasticity	4 500 MPa (EN 13412)
Glass transition temperature (T _g)	+ 55°C (EN 12614)

INSTRUCTIONS

■ SUBSTRATE PREPARATION

- Substrate and air temperature during application and crosslinking must be between + 5°C and + 35°C. Relative atmospheric humidity must not exceed 80%.
- Concrete substrate must be at least 28 days old and be sound, cohesive and preferably dry. Slight dampness is permitted so long as the substrate is of matt appearance and not seeping with water.
- The surface of the substrate must be roughened prior to application (sandblasting or other machine method).
- The surfaces to be bonded must be sound and clean.
- All traces of laitance and loose particles must be brushed off or sanded.
- All resulting dust must be removed.

■ PRODUCT PREPARATION

- The pre-measured components, i.e. resin and hardener must be machine-mixed on slow speed (300 r.p.m.) immediately prior to application.
- Continue mixing until a homogenous grey filament-free paste is obtained.

■ APPLICATION

- Apply the paste with a notched spreader, trowel, glove or brush.
- The average thickness of the adhesive after application and prior to assembly should be approximately 1 mm.
- Bonding must be carried out when the adhesive becomes tacky.