

## TECHNICAL SHEET 15.01.01-EN



# JUBOSAN C110

## Anti-corrosive adhesive mortar

### 1. Description, Application

JUBOSAN C110 is an industrially prepared dry mortar compound based on hydraulic binders and processed with polymers and anti-corrosion additives. It is part of the JUBOSAN C system for the renovation of concrete where it is used as anti-corrosion protection of reinforcement, while also acting as an adhesive bond between the JUBOSAN C120 reprofiling mortar and an old concrete surface.

### 2. Technical data

Packaging	20 kg
Hardened compound density	~1.9 kg/dm <sup>3</sup>
Water dilution mass	~25 %
Average consumption	~1.7 kg/m <sup>2</sup> /mm
Drying time T=+20°C, relative air humidity=65%	Touch dry ~6 h
Anti-corrosion characteristics	It fulfils the requirements of item 6.2 of the EN 15183:2006 standard.
Shear strength SIST EN 1504-7	Extraction force in the case of a move of 0.1 mm achieves at least 80 % of the force obtained in the testing of unprotected reinforcement.
Pull-off strength on concrete EN 1542:2000	>2.5 MPa

### 3. Installation Conditions

The temperature of the air and the wall surface should be between +5°C and +30°C and the relative air humidity should not exceed 80 %. Protect façade surfaces from sun, wind and rainfall using protective scaffold nettings; however, do not conduct any work in rain, fog or strong wind ( $\geq 30$  km/h) despite such protection.

### 4. Surface Preparation

Concrete surfaces should be clean, solid, dry, without any panelling oils, dust, friable particles and other dirt. Badly adhered particles or remains of old coats should be removed by polishing, shot-blasting or washing with a high-pressure water jet.

Before applying JUBOSAN C110, thoroughly clean rust, fat and dust from the reinforcement so that it achieves the Sa 2 level of cleanliness.

Soak the surface with water before applying JUBOSAN C110 so that concrete does not absorb it capillarity anymore. Concrete should fully absorb water while water membrane or water drops should not be visible on the surface since this would prevent JUBOSAN C110 to adhere onto the surface.

### 5. Preparation of Mortar Compound for Application

Prepare the mortar compound by pouring the content of a bag (20 kilos) into approximately 5 litres of water during constant stirring. Stir the mortar in a suitable container with a manual electric mixer at low RPM, smaller amounts of the compound can also be stirred manually, but always be careful not to let air into the compound. After 2-3 minutes of stirring, let the mortar rest for 5 minutes so that it swells, and stir it again. If necessary, add a little water to obtain the compound of consistency that is suitable to be applied by a brush.

In normal conditions ( $T = +20$  °C, relative air humidity = 65 %), the prepared mortar compound can be used for 45 minutes.

### 6. Application of Mortar Compound

Apply two coats in thickness of 1 mm each of the mortar with a stiffer brush. Apply the first coat only onto the reinforcing steel, and apply the second coat evenly over the reinforcement and the concrete surface, in the same thickness, after 5-6 hours when the first coat has somewhat hardened.

In normal conditions ( $T = +20$  °C, relative air humidity = 65 %), resistance of freshly processed surfaces to damage caused by drainage water (washing away of the application) is achieved within 24 hours at the latest.

Clean the tools with water immediately after use.

### 7. Storage, Transportation Conditions and Durability

During transportation, protect the product against moistening. Store in dry and airy places!  
Shelf life when stored in an originally sealed and undamaged packaging: at least 6 months

### 8. Other Information

Technical instructions contained in this brochure are provided on the basis of JUB's experience and are given as a guideline to achieve the optimum results. JUB cannot accept any responsibility for damage caused by incorrect selection of a product, incorrect use or unprofessional work.

Safety measures: Follow the instructions on the safety data sheet of the product.

This technical sheet supplements and replaces all preceding editions. JUB reserves the right to change and supplement data in the future.

Designation and date of issue: TRC-044/17-pek, 18.07.2024