

TECHNICAL SHEET 02.01.03-EN



JUBOLIN P 50 extra fine 0-3

Interior levelling compound for mechanical and manual application

1. Description, Application

JUBOLIN P 50 extra fine 0-3 is a dispersion levelling compound used for fine smoothing of interior wall and ceiling surfaces of accommodation, business, industrial and other buildings. It can also be used to fill smaller indentations, cracks, holes, abrasions and chinks, and to repair other flaws and damages. After being finely smoothed, the surfaces are of dirty white colour and suitable to be painted with all types of dispersion wall paints, wallpapered or processed in any other decorative manner. It adheres well to lime, lime-cement and also cement fine render finishes and gypsum-cardboards. It can also be used to smooth unplastered concrete surfaces, unplastered walls made of porous concrete, fibre-cement boards, chipboards, and similar. It can also be applied onto the already painted surfaces, but only if the existing coats do not soak in water and are well adhered to the surface. Smoothed surfaces are extremely smooth and the compound is distinguished not only by extremely high water vapour permeability, but also relatively high thixotropy, so "it does not dribble and crawl" from holes, abrasions and chinks, which are substantially deeper than the maximum allowed application thickness. This facilitates greatly the smoothing mainly of surfaces covered with holes, e.g. unplastered concrete surfaces, unplastered surfaces of walls made of porous concrete and similar.

2. Technical data

Packaging	25 kg	
Density	~1.67 kg/dm ³	
Layer thickness	<3 mm	
Drying time T = +20 °C, relative air humidity = 65 %	Suitable for grinding	~12 h
Average consumption	1.75 kg/m ²	
Vapor permeability EN ISO 7783-2	μ, coefficient	<18

	value Sd (d = 2 mm)	0.035 m class 1 (high water vapour permeability)
Adhesion to conventional lime-cement (EN 4624)		>0.45 MPa

3. Installation Conditions

The temperature of the air and the wall base should be from +5 °C to +35 °C, and the relative air humidity should not be higher than 80%.

Adequate ventilation must be provided in the room where the product is used.

4. Surface Preparation

The surface should be solid, dry and clean, without any badly adhered particles, dust, salts that are easily soluble in water, fat linings and other filth. Hoover or sweep dust and other non-adhered filth, and wash away the nondecomposed remains of paneling oils from concrete surfaces with a high-pressure water blaster (hot water or steam). Remove all paint coats that soak in water and coatings of oil paints, varnishes and enamels from the already painted surfaces. It is obligatory to disinfect surfaces infected with wall mould prior to applying the levelling compound.

Prior to the application of a levelling compound, the newly applied base-coats have to dry or mature at least 7 to 10 days for each cm of their thickness. The levelling compound is applied to new concrete surfaces only a month after concreting (stated drying times of the surface are valid in normal conditions: T = +20 °C, RH= 65 %).

Before applying the leveling compound, a primer coat is required.

On normally absorbent substrates, the use of ACRYL Emulsion is mandatory. On concrete or other less absorbent surfaces, we recommend the use of JUKOL Primer deep primer. With the installation of the leveling compound, we can begin 6 hours (ACRYL Emulsion) or 12 hours (JUKOL Primer) after applying the primer in normal conditions (T = 20 °C, RH = 65%).

For technical information on these primers, please read the technical data sheet.

5. Preparation of Levelling Compound for Application

Since JUBOLIN P 50 extra fine 0-3 is thixotropic, the pumping of the compound via the suction head of "airless" aggregates is possible only if the compound is mixed right before the suction basket is immersed into the compound in the container or chest. No special preparation of JUBOLIN P 50 extra fine 0-3 is necessary in the case of application of the product with spiral and piston aggregates or in the case of manual application.

6. Application of Levelling Compound

The compound is usually applied in two coats - the thickness of an individual coat should be 1 to 2 mm and the total thickness of a two-coat application should not exceed 3 mm. Apply it by spraying or manually – with a stainless steel smoothing trowel. As far as spraying is concerned, the most suitable aggregates for such application are "airless" aggregates with service pressure of 210 bars and a spraying nozzle with the diameter of 0,033", the optimum parameters for spraying with a spiral and piston aggregates are determined by testing while following producers' instructions. Use a stainless steel smoothing trowel to spread the compound across the processed surface, to remove excess compound and to smooth the surface as much as possible.

Sand the first coat with fine sandpaper prior to the application of the second one. The same applies to the second or the final coat. Polishing can be performed either manually or mechanically. JUB suggests the use of sandpapers No. 150-220 for machine polishing.

Clean the tools thoroughly with water immediately after use.

7. Storage, Transportation Conditions and Durability

Storage and transportation at temperature +5°C to + 25°C, protected from the direct sunlight, out of reach of children, MUST NOT FREEZE!!

Shelf life when stored in an originally sealed and undamaged packaging: at least 12 months.

8. Other Information

Technical instructions are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.

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

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

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