

TECHNICAL SHEET 02.01.39-GBR

LEVELLING COMPOUNDS

JUBOLIN P 15 Fill & Fine

Thick-coat interior levelling compound for manual and spray application

1. Description, Application

JUBOLIN P 15 Fill & Fine is a dispersion levelling compound for filling joints of gypsum-cardboard panels and for final levelling of interior wall and ceiling surfaces (Q1 - Q4). Due to high thixotropy, the compound is also suitable for treating indentations, cracks and for correction of other defects or damages in the depth of up to 8 mm. Coated surfaces are of grey-white colour and suitable for painting with all kinds of dispersion wall paints, for fixing wall papers or any other decorative processing. The compound has adequate adhesion to lime, lime-cement as well as to cement fine render finishes and gypsum-cardboard panels. It can also be used for levelling of non-rendered concrete surfaces, fibre-cement boards, chipboards, etc. The application to already painted substrates is also possible, but only if the coatings have adequate adhesion and if they are not sensitive to moistening.

2. Packaging

Plastic containers holding 25 kg

3. Technical Data

Density (kg/dm ³)		~1.6
Coat thickness (mm)		< 8
Drying time T = +20 °C, rel. air humidity = 65 % (hours)	Suitable for polishing	~12
Water vapour permeability EN ISO 7783-2	μ coefficient (-)	< 40
	S _d value (d = 3 mm) (m)	< 0.12 class I (high water vapour permeability)
Adhesion to standard lime-cement render finish (1 : 1 : 6) EN 1542 (MPa)		> 0.45

Main ingredients: acetate binder, fine calcite fillers, light fillers, cellulose and mineral thickening agents, water

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 remove by brushing dust and other non-adhered filth. Wash the non-decomposed remains of panelling oils from concrete surfaces with a jet of hot water or steam. Remove paint coats and coatings of oil paints, lacquers and enamels that are easily and quickly soluble in water from the already painted surfaces. Substrates infected with wall mould should be disinfected prior to applying the levelling compound.

Prior to the application of levelling compound, dry or mature the newly applied render finishes 7 to 10 days for each cm of thickness. Levelling compounds are applied to new concrete surfaces only a month after concreting (stated drying times apply for normal conditions: T = +20 °C, rel. air humidity = 65 %).

Prior to the application of levelling compound, it is recommended to use a primer, while for heavily absorbent and in some other way problematic substrates it is mandatory. Always apply a primer prior to applying the levelling compound. We recommend thinned AKRIL EMULSION (AKRIL EMULSION : water = 1 : 1), which is applied with painting or masonry brush or with long-hair fur or textile roller or by spraying. Under normal conditions (T = +20 °C, rel. air humidity = 65 %), we can begin to apply the levelling compound 6 hours after the application of primer.

Approximate or average consumption: AKRIL Emulsion	90 - 100 g/m ²
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5. Preparation of Levelling Compound for Application

JUBOLIN P 15 Fill & Fine is mixed by using an electric mixer, without adding water.

6. Application of Levelling Compound

Treatment Q1: For filling joints of gypsum-cardboard panels, use an adequate bandage tape (self-adhesive net which is previously glued directly on the joint of gypsum-cardboard panels) or bandage paper tape which is imprinted into a fresh application of compound, then apply some additional compound over the joint and smooth it in order to achieve a levelled transition between the two panels. In that phase, we also fill up the indentations of fixing elements for the gypsum-cardboard panels.

Treatment Q2: The performed surfaces of joints and other filled up indentations in Q1 quality are additionally thin-coat processed and when doing so we pay attention that finally processed surfaces don't have any traces of tool prints or other uneven anomalies. This level of processing in certain conditions enables also final processing with painting.

Treatment Q3 and Q4: The compound is usually applied in two coats – the thickness of an individual coat should be 1 to 1.5 mm, for thin-coat surface smoothing. The compound can be applied manually - by using a stainless-steel smoothing trowel or mechanically – by spraying. As far as spraying is concerned, the most suitable aggregates for such application are "airless" aggregates with service pressure of 180 to 200 bars and a spraying nozzle with the diameter of 0.035", 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 expand the compound across the processed surface, to remove excess compound and to smooth the surface as much as possible. We recommend the use of a wide smoothing trowel for smoothing larger surfaces.

The first coat (prior to the application of the second one), as well as the second or final one must be sanded with fine sanding paper, whereby we recommend the one of granularity between P150 and P220. Sanding can be performed by using a machine or manually.

The application of levelling compound is possible only in suitable weather or microclimate conditions: the temperature of the air and the wall surface should be between +5°C and +35°C and the relative air humidity should be below 80 %

Approximate or average consumption for filling joints between gypsum-cardboard panels or Q1: JUBOLIN P 15 Fill & Fine	150 - 200 g/m ¹
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Approximate or average consumption for a 1-coat application in the thickness of 1 mm or Q3 - Q4: JUBOLIN P 15 Fill & Fine	1.0 – 1.4 kg/m ² /mm
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Clean the tools thoroughly with water immediately after use.

7. Safety and Health at Work

Further instructions regarding handling the product, use of personal protection equipment, waste management, tool cleaning, first aid measures, warning signs, signal words, components determining hazard, hazard statements and safety statements are listed in the product's safety sheet which you can find on JUB's web page or you can require it from the manufacturer or seller. When applying the product, the instructions and regulations regarding safety for construction, façade and painting works should also be observed.

8. 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.

9. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovenian, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in its own laboratories, occasionally at the Construction Institute in Ljubljana and other independent expert institutions at home and abroad. During the manufacturing process, JUB strictly complies with the Slovenian and European standards for protection of the environment and for ensuring security and health at work, which is confirmed by the ISO 14001 and OHSAS 18001 certificates

10. Other Information

The technical instructions in this brochure are given based on our experience and are given as a guideline for achieving optimum results. We cannot accept any responsibility for the damage caused by incorrect selection of a product, incorrect use or unprofessional work.

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

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