

TECHNICAL SHEET 02.01.24-ENG

LEVELLING COMPOUNDS

JUBOFLOOR

Floor levelling compound

1. Description, Application

JUBOFLOOR is a **self-levelling compound for floors** based on processed hydraulic binders **for interior works**. It is used for **preparation or fine smoothing (the largest thickness of application is 10 mm) of all types of cement-bound floor surfaces (cement plasters, concrete, terrazzo, etc.) for fixing textile, plastic (linoleum, vinyl, rubber, etc.) and other floor linings in residential buildings**, where the floor load does not exceed 150 kilos/m². In normal conditions, fixing of linings is possible as soon as 2 days after the application of levelling compound.

2. Packaging

Paper bags holding 25 kilos

3. Technical Data

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| Density (of hardened compound) (kg/dm ³) | ~1.8 | |
| Thickness of application (mm) | up to 10 | |
| Pot life of ready-to-apply compound T = +20 °C, rel. air humidity = 65 % (minutes) | ~20 | |
| Drying time T = +20 °C, rel. air humidity = 65 % | In order to achieve minimum foot traffic (hours) | ~3 |
| | Suitable for further treatment (days) | ~2 |
| Compressive strength (MPa) | >25 | |
| Adhesion to standard concrete EN 24624 (MPa) | >1 | |

Main ingredients: cement, polymeric binder, calcite filler, cellulose thickening agent, agents for better self-levelling

4. Surface Preparation

Surfaces are any cement-bound floor surfaces (cement plasters, concrete, terrazzo, etc.), if they are sufficiently solid, dry and clean, without dust and badly-adhered particles, remains of oil and other filth. New surfaces should be at least one month old (indicated drying time applies to normal conditions: T = +20 °C, rel. hum. = 60 %), while with the old surfaces – already painted with any of the floor coats – we remove all loose paint coat by scraping, sanding or heating it, and suitably roughen the strongly adhering coats (those that cannot be removed). In the case of old terrazzo surfaces, it is mandatory to remove coatings of polishes and other coats from them, preferably with a jet of hot water or steam.

Prior to applying JUBOFLOOR, surface should be coated with diluted JUKOL PRIMER (JUKOL PRIMER : water = 1 : 1; consumption of emulsion 90 – 100 g/m²; it can be applied by using a brush, fur or textile painting roller or by spraying).



The compound is applied when primer is completely dried.

5. Preparation of levelling compound for application

Pour 25 kilos of dry compound into 7 l of water while stirring constantly. When a compound becomes homogenous, let it swell for 5 minutes, then stir it well again. If necessary, add a little bit more of water.

Prepared compound is ready to use for app. 10 minutes.

6. Application of the levelling compound

Pour the compound on the floor and spread it with a steel smoothing trowel (coat thickness from 1mm up to max. 10 mm). The best finished look of the installed product can be achieved if we additionally remove air from the compound with a spiked roller during installation. Under unfavourable conditions, we protect the installed compound from premature drying by moistening it for at least one day after application.

Strength and humidity of the installed levelling compound has to be checked prior to fixing of the floor linings. Fixing of linings is only possible when humidity in the levelling compound falls below 4 % (measured with a contact hygrometer!); in normal conditions (T = +20 ° C, rel. hum. = 65%) this is approximately 2 days after installation. We usually sand the surface of the levelling compound before the fixing of linings with fine grindstone or suitable sandpaper. Sanding can be done manually or mechanically where with proper equipment, we can also provide suction of dust particles. Prior to laying wood linings, the humidity of the installed and hardened cement product should not exceed 2%.

In preparing the surface and the installation of linings, we should consider the relevant standards and guidelines that apply to their installation (e.g. DIN 18365).

Surfaces can be laden with useful load after 4 days of installation.

Application is possible only in suitable microclimate conditions: the temperature of the air and the wall surface should be between +15°C and +25°C and the relative air humidity should not exceed 70 %

Approximate or average consumption:
JUBOFLOOR ~1.5 kg/m² for 1 mm thick application

7. Tool Cleaning, Waste Management

Thoroughly clean the tools with water immediately after use.

Waste remains should be mixed with water and when hardened deposited onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).

Cleaned packaging can be recycled.

8. Safety at Work



In addition to general instructions and regulations for construction or ceramics works, please consider that the product contains cement and is therefore classified among dangerous preparations labelled as Dangerous. The content of chromium (Cr 6+) is lower than 2 ppm.

Protection of the respiratory system: the use of a safety mask in case a lot of dust is raised. Protection of hands and body: work clothing, preventive protection with a protection cream and the use of protective gloves are recommended in the case of prolonged exposure of hands.

Description of first aid measures:

- **In case of inhalation:** Sufficient inflow of fresh air and in because of safety seek medical advice. In case of unconsciousness bring patient into stable side position for transport.
- **Contact with skin:** Immediately rinse the skin with water and soap.
- **In case of contact with eyes:** Immediately widen the eyelids, rinse thoroughly with clean water for a few minutes and seek medical advice.



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|---|--|
| <p>Warning signs on the packaging</p> |  <p>GHS05</p>  <p>GHS07</p> <p>Warning word: Dangerous Components which define dangers and should be labelled: - cement, Portland - Calcium oxide</p> |
| <p>Special measures, warnings and observations required for safe work</p> | <p>Hazard Statements H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.</p> <p>Precautionary Statements P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see on this label). P405 Store locked up. P501 Dispose of contents/container according to local /regional/national/international regulations.</p> |

· **In case of ingestion:** If problems persist, seek medical advice.

9. Storage, Transportation Conditions and Durability

Protect the product against moistening during transport. Store in dry and airy places, out of the reach of children

Shelf life when stored in originally sealed and undamaged packaging: at least 6 months.

10. Quality Control

The product's quality characteristics are determined with the internal manufacturing specifications as well as with the Slovenian, European and other standards. We constantly monitor the declared or set quality level in our own labs, at the Construction Institute in Ljubljana and occasionally also at other independent institutions at home and abroad. The quality level is also ensured by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years. During the manufacturing process, we strictly comply 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.





JUBOFLOOR JUB d.o.o.
Dol pri Ljubljani 28
SI -1262 Dol pri Ljubljani
14

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SIST EN 13813CT-C25-F7

Cement self-levelling floor compound for interior use

| | |
|---------------------------------|-----|
| Combustion characteristics | A1 |
| Compressive strength | C25 |
| Flexural strength | F7 |
| Release of corrosive substances | CT |
| Water permeability | NPD |
| Water vapour permeability | NPD |
| Sound absorption | NPD |
| Acoustic insulation | NPD |
| Resistance to wear | NPD |
| Chemical resistance | NPD |
| Thermal resistance | NPD |

11. Other Information

The technical instructions in this brochure 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.

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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JUB kemična industrija d.o.o.

Dol pri Ljubljani 28, 1262 Dol pri Ljubljani, Slovenia
T: (01) 588 41 00 h.c.
(01) 588 42 17 Sales
(01) 588 42 18 or 080 15 56 Technical support
F: (01) 588 42 50 Sales
E: jub.info@jub.si
www.jub.eu



The product is made by the holder of ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certificates.

