

## TECHNICAL SHEET 02.02.11-EN



# JUBOGLET Nivelin D 1-6

## Lime cement based levelling compound

### 1. Description, Application

JUBOGLET Nivelin D 1-6 is lime-cement levelling compound processed with polymeric binders and intended for smoothing – levelling of façade and interior wall surfaces. It is distinguished by low elastic module and high water repellence. It shrinks very little during drying and hardening therefore, it can be applied in a coat in thickness of up to 6 mm. On facade surfaces, it is used to smooth lime and lime-cement renders, and in the interior, it can be used on all types of mineral surfaces: to smooth lime, lime-cement and cement renders, and also to mend flaws and smooth unplastered concrete surfaces. Façade surfaces levelled with JUBOGLET Nivelin D 1-6 can be coated with all types of façade paints, while interior surfaces can be painted with any of interior dispersion wall paints and they can be wallpapered without any limitations.

### 2. Technical data

Packaging	5 kg, 20 kg	
Density	~1.58 kg/dm <sup>3</sup>	
Layer thickness	1,5-6 mm	
Water dilution mass	25 %	
Drying time	Touch dry	6 h
T = +20 °C, relative air humidity = 65 %	Protect against rainfall	24 h
Average consumption	1.5 kg/m <sup>2</sup>	
Vapor permeability EN ISO 7783-2	μ, coefficient	<30
	value Sd (d = 3 mm)	0.15 m class 2 (medium water vapour permeability)
Water absorption w <sub>24</sub> (EN 1062-3)	<0.2 kg/m <sup>2</sup> h <sup>0,5</sup>	
Water absorption class (EN 1015-18)	W2	

Reaction to fire	A1
Thermal conductivity	0,93 W/mK
Compressive strength (EN 1015-11)	>4 MPa
Compressive strength class	CS II
Adhesion (EN 1015-12)	0,6 MPa 100 % B (failure in leveling compound)
Adhesion after weathering (EN 1015-21)	0,5 MPa 100 % B (failure in leveling compound)

### 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%.

### 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 non decomposed remains of paneling oils from concrete surfaces with a high-pressure water blaster (hot water or steam).

Remove paint coats and coatings 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 %).

Do not apply any primers onto the surface prior to the application of the levelling compound!

### 5. Preparation of Levelling Compound for Application

Prepare the levelling compound by pouring 20 (5) kilos of dry compound (the content of one bag) into 6 (1.5) liters of water. Mix with an electric mixer or manually until the compound becomes homogenous. Wait for 10 minutes for the compound to swell. Then stir it well again. If necessary, add some water.

The prepared compound must be used within approximately 2 hours.

### 6. Application of Levelling Compound

Apply the compound in a coat in the thickness of up to 6 mm. Apply it manually – with a stainless steel smoothing trowel, or spray it using aggregates for machine application of fine render finishes. Determine the optimum spraying parameters by testing, while following instructions of producers of mechanical equipment. 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.

It can also be used to level roughly processed old renders. The product is applied manually in two layers. The thickness of the bottom layer is ~3 - 4 mm. Immediately after applying the product, we press JUBIZOL plasticized glass mesh into it. After drying for at least 1 day, for each mm of thickness, apply the top leveling layer in a thickness of ~1.5 - 2 mm and level and smooth the facade surface as much as possible. If necessary, before installing JUBOGLET Nivelin D 1-6, apply a water-diluted base coat to such a base JUKOL Primer. Under normal conditions (T = +20 °C, relative humidity = 65%), the leveling compound can be applied 12 hours after the base coat has been applied.

When the applied compound partially hardens - approximately 10 to 20 minutes after the application (it can also be done sooner or later depending on the microclimatic conditions and absorbency of the surface), moisten the surface and smooth it with circular moves using a smoothing trowel made of expanded polystyrene, wood or plastic. Use a stainless steel smoothing trowel to iron smaller surfaces. The described treatment can be substituted with manual or machine polishing of the dry and hardened application – in normal conditions (T = +20 °C, RH = 65 %), the optimum conditions for polishing are achieved if the application dries for approximately 12

hours for each mm of its thickness. Select between sandpapers no. 80 - 120.

If you wish the processed surfaces to appear rustic, do not smooth or polish the application. The desired relief is achieved by processing the fresh application with various masonry and painting tools or other devices. Do not excessively wet the surface while working to reduce the washing away of binders contained in the surface layer of the application to the lowest possible degree.

## 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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