



FINE RENDER 0,6 /1,0 (Fini omet)
Water Repellent Fine-grained White Render

LEVELLING RENDER (Renovirni omet)
Reinforced and Filling Render for Façade repairs

NIVELIN D
Thick-Coat Powder Leveling Compound

**General Description and
Fields of Application**

FINE RENDER (FINI OMET) is a thin lime-cement render (granulation 0,6 and 1 mm) intended for fine leveling and smoothing of mineral façade and interior wall surfaces. FINE RENDER can be used as a final plaster on façade or interior wall surface.

The usual coat thickness of FINE RENDER 0,6 is from 1 - 4 mm and 3 – 6 mm for FINE RENDER 1,0. It is distinguished by exceptionally high water repellence.

Suitable Surfaces: all kinds of classic lime-cement and lime renders, thermal-insulation, and renovation plasters. Leveling of unpainted tightly adhered mineral plasters is possible.

The substrate should be solid, dry and clean, without weakly bound particles, dust, easy water-soluble salts, oil stains or other filth. Newly applied renders must be dried for 3 - 4 weeks (for each cm, at least 7 - 10 days, for insulant light weight renders 5 –7 days) (T = +20 °C, R.H. = 65 %).

From old solid renders remove all weakly adhered paints and other decorative coatings. After the cleaning remove all the dust, preferably by washing and appropriately roughen the plaster surface. Wet the substrate well, one day prior to application of FINE RENDER.

Composition

White cement, hydrated lime, organic additives and mineral aggregates up to 0,6 and 1mm. The plaster contains special water-repellent additives

Colour Shade: natural white

LEVELLING RENDER
(RENOVIRNI OMET)

is a micro-reinforced dry mix cement-based façade-leveling compound with exceptionally low elasticity module. It is especially used for reparation of cracked façade surfaces and for the leveling of roughly treated surfaces: lime-cement, cement, acrylic, silicate and other decorative renders. It is especially suitable for reparation of thermal-insulating systems. LEVELLING RENDER is a suitable substrate for application of thin-coat or thick-coat decorative renders. It can be leveled with FINE RENDER or with leveling compounds. If the renderer is strengthened with AKRIL EMULSION, we get a quality mortar compound, which can be used, for reparation of facade cornices, window and door decoration borders, and similar façade decorations. If it is necessary, reinforce it with appropriate vinyl-covered glass fiber mesh.

Suitable Surfacees: any dry any clean tightly adhered old decorative, mineral, acrylic, silicone and silicate renders or any rough mineral substrate (basic) plaster/render. Remove

all loose and weakly adhered areas of old plasters, old coats, oil stains, and all other filth. Due to low elasticity module, LEVELLING RENDER is especially suitable for treatment of aerated concrete surfaces.

Coat the cleaned substrate immediately prior to application of LEVELLING RENDER with the thinned AKRIL EMULSION (AKRIL EMULSION : water = 1 : 1). Apply the mortar to still fresh (wet) basic coat, if possible.

Composition

Cement, hydrated lime, organic additives and mineral aggregates up 1mm. The render contains special water-repellent additives and micro-reinforced fibers.

Colour Shade: gray

NIVELIN D

is a dry mix lime-cement based leveling compound intended for leveling of larger uneven areas (up to 5mm in one coat). It is distinguished by a low contraction while drying, low elasticity module and relatively high water repellence. It is intended for leveling and repairing defects on interior, more roughly treated wall and ceiling surfaces and for smoothing of unplastered concrete ceilings and similar surfaces, and also for smoothing of smaller façade surfaces. Façade surfaces leveled with NIVELIN D can be painted with all kinds of façade paints. Interior surfaces can be painted with any

interior wall paint or covered with all kinds of wallpapers.

Suitable Surfaces

The substrate (mineral plasters/renders, concrete, aerated concrete) must be solid, dry and clean, without weakly bound particles, dust, oil, grease or other filth. Newly applied renders must be dried for 3 - 4 weeks (for each cm, at least 7 - 10 days, for insulant light weight renders 5 - 7 days)

(T = +20 °C, R.H. = 65 %). Surfaces infected with wall mould or algae must be disinfected prior to leveling. The concrete surfaces must be at least one month old.

From old solid plasters/renders remove all paints, precoats and other decorative coatings. After the cleaning remove all the dust from the surface.

Coat the cleaned substrate immediately prior to application of NIVELIN D with the thinned AKRIL EMULSION (AKRIL EMULSION : water = 1 : 1; coverage 100 g/m²)

Unsuitable Surfaces:

all surfaces painted with chalk-based (water dissolving coats), surfaces painted with oil paints, lacquers or enamels, plastic compound and wooden surfaces. NIVELIN D is not suitable for leveling of exterior concrete surfaces.

Composition

Cement, hydrated lime, organic additives and mineral aggregates up to 0,6 mm. It contains special water-repellent additives

Colour Shade: natural white

TECHNICAL DATA

render	fresh mortar density (kg/l)	compressive strength EN 1015-11 (N/mm ²)	capillary water absorption		water vapour permeability EN 1015-19		adhesion EN 1015-12 (N/mm ²)	adhesion after weathering EN 1015-21 (N/mm ²)
			EN 1015-18 categorie	EN 1062-3 (kg/m ² h ^{0,5})	μ (-)	Sd (m)		
FR 0,6	app. 1,81	> 2 CS II	W 2	< 0,20	< 20	< 0,06	0,2 100% B	0,2 100% B
FR 1,0	app. 1,78	> 2 CS II	W 2	< 0,20	< 20	< 0,10	0,2 100% B	0,2 100% B
LEV R	app. 1,52	14 CS IV	W 2	< 0,11	< 30	< 0,15	0,7 100% B	0,7 70% B 30% A
NIV D	app. 1,58	> 4 CS II	W 2	< 0,20	< 30	< 0,30	0,6 100% B	0,5 100% B
All the renders	Reaction to fire: A 1						A: fracture between render and substrate B: fracture in the render itself	
	Thermal conductivity: λ (tab. value): 0,93 W/mK							
	Drying time	touch dry: app.6 hours (T: 20 °C, r. h.: 65 %) protect against rainfall: at least 24 hours (T: 20 °C, r. h.: 65 %)						

Notes:

FR: **Fine Render**

LEV R: **Levelling Render**

NIV D: **Nivelin D**

Preparation of Mortar Compound

FINE RENDER

Mortar compound is prepared in the concrete mixer. Add as little water as possible; the quantity of water depends of desired

consistency of the mortar and technique of application. Mix until the compound becomes homogenous.

LEVELLING RENDER

Mortar compound is prepared for the manual application in the

concrete mixer or in appropriately large plastic container, if mixed manually or with an electric mixer. Mix until the compound becomes homogenous. Leave the compound for 10 minutes to swell up, then mix it

again and add some water if necessary. If the mortar compound will be used for reparation of façade borders, strengthen it, by substituting 2 l of water with 2 kg of AKRIL EMULSION.

NIVELIN D

Pour the bag contents in ~30 % of water and mix manually or with an electric mixer well, so you get a homogenous pasty compound without any lumps. Leave the compound for 10 minutes to swell up, then mix it again and add some water, if necessary.

ATTENITON

To avoid the irregular coloration of FINE RENDER, due to eventual differences in whiteness of the natural aggregates, equalize the renders of **different production batches or different dates of manufacture** by mixing them together.

Render :20 kg	Water added
FINE R. 0,6	app. 4,5 - 6 l
FINE R. 1,0	app. 4,5 - 6 l
LEVELLING RENDER	app. 4,6 - 5 l
NIVELIN D	app. 6 l

Application of Renders

FINE RENDER

The mortar compound can be applied manually - using a stainless steel, wooden or plastic smoothing trowel, or ladle – or using a machine (e.g. WAGNER PC 30, PC 25 in PC 5) – in app. 1,0 - 5,0 mm thickness (FINE RENDER 0,6) or 3,0 do 6,0 mm thickness (FINE RENDER 1,0) and only rarely in thicker coats. After the plaster partially hardens, due to loss of water,

polish the surface with circular movements, using a wooden or plastic smoothing trowel or piece of styropor, so the surface will get an equal and fine-course look. The smoother surface is achieved by polishing with stainless steel smoothing trowel. In unpleasant weather conditions (too-fast drying conditions) keep the plaster moist (with water), at least one day after the application.

LEVELLING RENDER

The mortar compound is applied manually – using a notched trowel (the width and depth of the teeth should be 8 – 12 mm) or using a machine, by spraying (e. g. WAGNER PC 30, PC 25 and PC 5) in one or two coats. The thickness of each coat should not exceed 4mm.

One-coat application.

Apply the mortar compound manually or with a machine on still wet undercoat, and make the surface as level as possible using a stainless steel smoothing trowel. Larger cracks must be additionally reinforced with a glass fiber mesh, which must be impressed in the outer third of the plaster.

Two-coat application.

Two-coat application is used when repairing heavily cracked plasters, where additional reinforcing of whole façade surface using a glass fiber mesh is necessary. The second coat is applied to the still wet surface of the first coat (“wet on wet” technique), immediately after the installation of the reinforcing mesh. Make the surface of the base coat with circular movements as level as possible

and appropriately grooved, if applying MINERAL SCRATCH RENDER. Applying the LEVELLING RENDER consider all the rules for application of the base coat in the thin-coat thermal-insulating systems (JUBIZOL façade).

NIVELIN D

The leveling compound is usually applied manually - using a stainless steel smoothing trowel, or using machine, by spraying (e.g. WAGNER PC 30, PC 25 and PC 5) – in one ~1,5 - 5 mm thick coat only. Application of two coats (thickness app. 10mm) is possible. After app. 10 – 20 minutes, when the compound begins to harden (it may also be more or less, depending on the absorption of the surface and microclimate conditions), wet the coat surface and smooth with circular strokes with styropor, stainless steel or wooden smoothing trowel. If necessary, additionally sand the dried surface (app. after 2-5 days) using a fine-sand paper.

Application Temperature

Air and surface temperature for application should not be lower than +5 °C and not higher than +35 °C, R.H. < 80%.

Protect the façade surfaces against the sun, wind and rainfall with curtains; however do not apply the paint in rain, fog or strong wind (≥ 30 km/h), even with such protection.

Tool Cleaning

Thoroughly clean all the tools with water immediately after use.

Safety at Work

Besides general instructions and regulations for construction and painting works consider that mineral renders contain cement and hydrated lime. They are classified as hazardous labeled with **Xi, IRRITATING**
R 36/38 Irritating to eyes and skin.
R 41 Risk of serious damage to eyes.

S 2 Keep out of reach of children.
S 24/25 Avoid contact with skin and eyes.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 After contact with skin, wash immediately with plenty of water.
S 37/39 Wear suitable gloves and eye/face protection.

These cement based products are chromate reduced in accordance with EU directives **76/769/EEC** and **2003/53/EC**.

See also MSDS.

Waste Handling

Treat hardened mortar compound as a construction waste: **EWC: 17 09 04**

Coverage, Storage, Packaging

PLASTER	Consumption(kg/m ²)	Packaging	Durability when stored in originally sealed and undamaged packaging
FINE RENDER 0,6	app. 1,4 kg/m ² /1 mm	Paper bags 20 kg	at least 6 months
FINE RENDER 1,0	app. 1,3 kg/m ² /1 mm	Paper bags 20 kg	at least 6 months
LEVELLING RENDER	app. 1,4 kg/m ² /1 mm	Paper bags 20 kg	at least 6 months
NIVELIN D	app. 1,5 kg/m ² /1 mm	Paper bags 5 kg, 20 kg	at least 6 months

Health Integrity

The dried coats of mineral plasters/renders are not hazardous to health.

independent professional institutions, home and abroad.

Link to Other JUB Products

See also Technical sheets:
01 Primers

Labelling



EC Declaration of conformity

Quality Control

ISO 9001 and ISO 14001.
 Factory production control and occasional testing at various

Technical instructions in this brochure are based on our experiences and are given as a guideline for achieving optimal results. Because of the changes in colour shades of natural aggregates, minor differences in colour shades are possible among the products from different production batches, which cannot be the subject to any claim. Colour shade variations, caused by application of the plaster on surfaces with different coarseness and absorbing properties, cannot be subject to any claim.

We cannot take any responsibility for the damage, caused by incorrect choice of the product, incorrect use or unprofessional work. We reserve the right to change the technical data of our products without notice as a result of our own development work or as a result of other technical progress. This technical sheet supplements and replaces all preceding editions.
 November 2006

JUB kemična industrija d.d., Dol pri Ljubljani 28, 1262 Dol pri Ljubljani, SLOVENIJA
 tel.: (01) 588 41 00 h.c., 588 42 17 Sales, 588 42 18 (080/15 56) Technical Support; fax: (01) 588 42 50 Sales,
 e-mail:jub.info@jub.si; http://www.jub.si

