

# Rubio® EASYFLOW-F | LEVELLER (FIBRE-REINFORCED)

## PRODUCT DESCRIPTION

Rubio® EasyFlow-F is a self-levelling and fibre-reinforced cement-bound levelling material of high-quality aluminium cement, aggregates, additional binders and chemical additives. It is a premixed dry powder developed for flooring and is also **suitable for underfloor heating**.

## PRODUCT INFORMATION

### › Unique characteristics

1. Can be used universally on all types of substrate on condition that the necessary preparations are made.
2. Levelling in a layer from 3 to 30 mm.
3. Easy to mix without producing dust.
4. Highly suitable in case of underfloor heating.
5. Fast hardening and drying.
6. Can be walked on after 1 to 2 hours (+20 °C).
7. Ecologically responsible – 0% VOCs.
8. Self-levelling and high flow.
9. Ready for use.
10. Low shrinkage.

### › Technical characteristics

**Chemical basis:** Cement-based

**Physical state:** Powder

**Colour:** Grey

**Density:** 1.45 kg/L (powder) / 2.10 kg/L (after mixing with water)

**Resistance/Viscosity:** Self-levelling

**Open time:** Approx. 15 minutes, depending on the temperature.

**Drying time/curing speed:** Can be walked on after 1-2 hours. After 24 hours the parquet and/or other floor systems can be installed (light traffic). The residual moisture in the leveller will react and disappear if the amount of water added is exactly that indicated in the instructions (18% = 4.50 L / 25 kg bag). That is why it is very important to respect the exact proportion between water and product.

Locally varying circumstances, such as ventilation, floor temperature, air humidity, etc., must be taken into account. Do not process below +5 °C or above 30 °C! The substrate must also be at least 5 °C. High air humidity and low temperatures delay adhesion and hardening; high temperatures accelerate these processes. Do not add other products!

**Processing temperature:** Between 5 °C and 30 °C.

**Tools:** Round mixing rod, serrated levelling spatula, rapid spatula, de-aerating roller and nail shoes.

**Adding water:** 18% (4.50 L / 25 kg bag)

**Bending strength:** 6.0 N/mm<sup>2</sup>, after 28 days

**Compressive strength:** 25 N/mm<sup>2</sup>, after 28 days

**Adhesion to substrate:** > 2N/mm<sup>2</sup>



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**Grain size:** max. 1 mm

**Free shrinkage:** < 0.05% (measured at 50% RH)

**pH:** ±11.5

**Liquidity:** 150-155 mm (Flow ring test SS 923519, diameter 50x23 mm)

**Water stability:** Water-stable (expansion under water < free shrinkage)

**Wet unit weight:** > 2 g/cm<sup>3</sup>

**Relative humidity:** 50%

**Ambient temperature during hardening:** 20°C

**Minimum floor temperature:** +6 °C

## › Packaging

25 kg paper bags.

## › Storage

Shelf life at least 12 months in a dry environment, max. 20 °C and 50% R.H.

## APPLICATION INFORMATION

### › Applications

Rubio® EasyFlow-F is highly suitable as a thin, smooth floor leveller, ready for the installation of floor coverings such as tiles, laminate, carpet, parquet, PVC, linoleum, etc. This leveller can perfectly be used for underfloor heating.

This leveller must be applied in one treatment with a thickness of 3 to 30 mm.

### › Consumption

Approx. 1.75 kg per mm layer thickness, per m<sup>2</sup>

### › Instructions for use

› **Preparation of the substrate:** Rubio® EasyFlow-F must be applied on a well-prepared substrate. Dust, grease or soft materials should be removed. A well-prepared substrate must be covered with a primer layer of Rubio® EasyPrimer Aqua (100 to 200 g/m<sup>2</sup> depending on the porosity of the substrate) or Rubio® EasyPrimer 2C Epoxy when a moisture barrier is needed (150 to 250 g/m<sup>2</sup> depending on the porosity of the substrate).

**Relative humidity:** 50%

**Ambient temperature during hardening:** 20°C

**Minimum floor temperature:** +6 °C

› **Mixing the leveller:** Rubio® EasyFlow-F can either be mixed manually (with a powerful drill and a suitable round mixing rod) or with the help of an automatic, continuous mixing pump (without intermediate storage). In case of manual mixing: after stirring thoroughly, leave the mixture to rest for approximately 30 seconds, then stir well once more; after that, the mixture can be poured and processed.

**Mixing proportion:** Approx 4.50 litres of water per 25 kg bag (= 18% water). Use the mixed material within 15 min.

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## Round mixing rod

A suitable tool for mixing our Rubio® leveller. The round mixing rod can be attached to an electric drill.

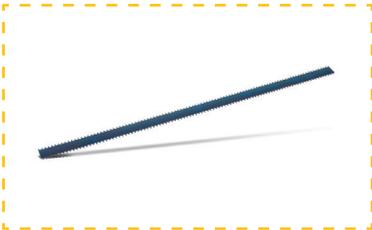
› **Application of the leveller:** Rubio® EasyFlow can be applied both manually and mechanically on the prepared substrate. Manually, the leveller can be extended with a stainless steel spatula (with the corresponding serrated profile) or with a rapid spatula and then de-aerated with a de-aerating roller/spike tooth roller within 15 minutes. Mechanically, this can be done using an automatic continuous mixing pump (without intermediate storage and for large projects). To walk on the floor before it has dried completely (during de-aeration), nail shoes can be used.

Use only clean (drinkable) water with a maximum temperature of 20 °C.



## Stainless steel spatula

A suitable tool for applying our Rubio® leveller onto large surfaces. Teeth profiles 560 mm long with random tooth shapes can be clipped into the welded terminal. This stainless steel spatula is also fitted with two continuously height-adjustable sliding pivots for a gradual adjustment to any desired layer thickness up to 36 mm.



## Teeth profiles for stainless steel spatula

The teeth profiles can be clipped into the welded terminal of the stainless steel spatula. These will ensure an ideal distribution of the leveller.



## Stainless steel rapid spatula

This stainless steel spatula with rounded corners is extremely suitable to apply our Rubio® leveller.



## De-aerating roller/spike tooth roller

A synthetic cylinder with 35 mm long teeth, splash protection and nickel-plated metal brace with hollow synthetic handle. Suitable to de-aerate the levelling layer.



## Nail shoes

Suitable for walking on fresh layers of leveller without leaving marks. These nail shoes, made of solvent-resistant plastic, have been fitted with steel nails and attachment straps.

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## › Cleaning

Immediately clean all tools with water.

## HEALTH AND SAFETY INSTRUCTIONS

For information and advice about the safe handling, storage and removal of chemicals we refer the user to the most recent safety data sheet, which contains physical, ecological, toxicological and other safety information. Our products need to be stored, applied and handled carefully.

Check the packaging and the safety data sheet for more details.

YOUR DISTRIBUTOR:

**LIABILITY:** It is the user's responsibility to establish, through his own tests, whether the product is suitable for the chosen application. In no case can Muylle Facon NV be held liable for any consequential damage. The information above may be subject to changes, which will be published in the updated versions of the technical data sheet. We cannot be held liable for poor results due to causes that are not related to the quality of the product. This technical information has been drawn up based on the currently available information and knowledge. The most recent technical data sheets can be requested or are available on the website. **Date of TDS: 17/05/2016. Check the safety information before using the product.**

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