

## Instructions for Use

# Fonterra Reno casting compound



for Fonterra Reno system panels, internal area, layer thickness  
2–10 mm

Model  
1237.6

Year built (from)  
01/2009

**viega**

# Table of contents

<b>1</b>	<b>About these instructions for use</b>	<b>3</b>
1.1	Target groups	3
1.2	Other applicable documents	3
1.3	Labelling of notes	3
1.4	About this translated version	4
<b>2</b>	<b>Product information</b>	<b>5</b>
2.1	Standards and regulations	5
2.2	Safety advice	6
2.3	Intended use	6
2.4	Features and mode of operation	7
2.5	Technical data	7
2.6	CE mark	8
<b>3</b>	<b>Handling</b>	<b>9</b>
3.1	Transport and storage	9
3.2	Processing	9
3.3	Disposal	11

# 1 About these instructions for use

Trade mark rights exist for this document; for further information, go to [viega.com/legal](http://viega.com/legal).

## 1.1 Target groups

The information in this instruction manual is directed at the following groups of people:

- Heating and plumbing experts and trained personnel

Individuals without the abovementioned training or qualification are not permitted to mount, install and, if required, maintain this product. This restriction does not extend to possible operating instructions.

The use of Viega products must be carried out in accordance with the general rules of engineering and the Viega instructions for use.

## 1.2 Other applicable documents

- Safety data sheet Fonterra Reno casting compound in acc. with 1907/2006/EC

*For the safety data sheet, refer to the respective product page in the online catalogue.*

## 1.3 Labelling of notes

Warning and advisory texts are set aside from the remainder of the text and are labelled with the relevant pictographs.

	<b>DANGER!</b> This symbol warns of possible life-threatening injury.
	<b>WARNING!</b> This symbol warns of possible serious injury.
	<b>CAUTION!</b> This symbol warns of possible injury.

**NOTICE!**

This symbol warns of possible damage to property.



This symbol gives additional information and hints.

## 1.4 About this translated version

This instruction for use contains important information about the choice of product or system, assembly and commissioning as well as intended use and, if required, maintenance measures. The information about the products, their properties and application technology are based on the current standards in Europe (e.g. EN) and/or in Germany (e.g. DIN/DVGW).

Some passages in the text may refer to technical codes in Europe/Germany. These should serve as recommendations in the absence of corresponding national regulations. The relevant national laws, standards, regulations, directives and other technical provisions take priority over the German/European directives specified in this manual: The information herein is not binding for other countries and regions; as said above, they should be understood as a recommendation.

## 2 Product information

### 2.1 Standards and regulations

The following standards and regulations apply to Germany / Europe and are provided as a support feature.

#### Regulations from section: Technical data

Scope / Notice	Regulations applicable in Germany
Pressure resistance classes	DIN EN 13813
Determination of bending tensile and compression strength	DIN EN 13892-2

#### Regulations from section: Processing

Scope / Notice	Regulations applicable in Germany
Flatness tolerances in surface-finished floors	DIN 18202 Table 3, line 3
Execution of the construction work	Vergabe- und Vertragsordnung für Bauleistungen (VOB), part C
Flooring work	DIN 18365

#### Regulations from section: Disposal

Scope / Notice	Regulations applicable in Germany
Disposal as construction waste	Abfallschlüssel AVV ■ 17 00 00 ■ 17 08 00 ■ 17 08 02

## 2.2 Safety advice



### DANGER! Causes skin irritation and severe damage to the eyes

Avoid contact with the eyes and skin.

- In case of contact with the eyes, rinse gently with water for several minutes.
- If possible, remove contact lenses, if worn.
- In case of contact with the skin, rinse the affected areas with plenty of water.
- Call the **poison information centre** or a doctor, immediately – keep the packaging or the identification label at hand.
- Check the identification label if there is any special treatment that should be carried out
- Remove the contaminated clothing and wash before wearing again.



### DANGER! Risk to health

Keep out of the reach of children.



### NOTICE!

Observe the normal safety measures when dealing with chemicals.

- Wear protective clothes and gloves, protection for the eyes and a face mask.



### NOTICE!

Read the identification label before use.

## 2.3 Intended use

The Fonterra Reno casting compound is a calcium sulphate bound, polymer modified product for internal use.

## 2.4 Features and mode of operation

The Fonterra casting compound has the following characteristics:

- very resilient
- quick hardening
- suitable for castors (from 3 mm system coverage)
- highly pourable
- very low-stress
- can be covered quickly
- physiologically and ecologically harmless when in bound state
- The product reacts alkaline with water.

## 2.5 Technical data

Pressure resistance class *	CA-C25-F7 / C25 *
Processing temperatures (up to one week after processing)	10–30 °C (air) 10–25 °C (substrate and material)
Processing time at 20 °C and 65 % relative humidity	25–30 minutes
Colour	whitish-grey
Mixing ratio	5.75 l water &#x2029; 25 kg casting compound
Layer thickness	2–10 mm
Usage for 3 mm coverage	approx. 10 kg/m <sup>2</sup>
Can be walked upon after	approx. 3 h
Cannot be covered for at least	24 h
Tool cleaning	with water

\* pursuant to the applicable directives, see  'Regulations from section: Technical data' on page 5

## 2.6 CE mark

<b>CE</b>		Viega GmbH & Co. KG Viega Platz 1, D-57439 Attendorn DOP-13813-10
DIN EN 13813 EN 13813 CA-C25-F7		
Calcium sulphate screed mortar for indoor interior floor structures		
Fire behaviour		A1 <sub>fl</sub>
Release of corrosive substances		CA
pH value		≥ 7
Water vapour permeability		NPD
Compression strength		C25
Bending tensile strength		F7
Impact-sound reduction		NPD
Sound absorption		NPD
Heat insulation		NPD
Chemical resistance		NPD
NPD = No Performance Determined		

Fig. 1: Fonterra Reno casting compound, CE mark

## 3 Handling

### 3.1 Transport and storage

Observe the following with transport and storage:

- Can be stored up to nine months after the production date in closed original packaging
- Store in a dry place
- Delivery form: 25 kg sack

### 3.2 Processing

Prime the surface before applying the casting compound.

The flatness tolerances according to the applicable directives are achieved by applying one layer of casting compound, see  'Regulations from section: Processing' on page 5.

Two-stage application of the casting compound provides for flatness tolerances in keeping with increased requirements.

In both cases, the floor layer may need re-working by the floor layer. Observe the respective manufacturer's installation guidelines, as well as the requirements specified in the applicable regulations, see  'Regulations from section: Processing' on page 5.

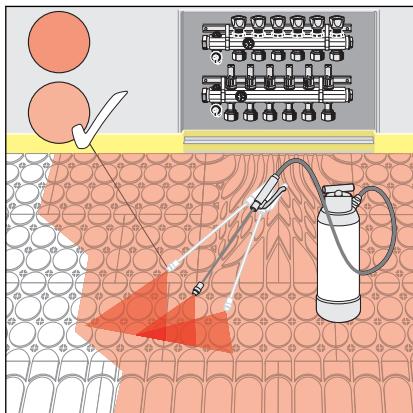


#### NOTICE! Pressure test

Before covering the pipes, check the installation for leak tightness. Add the pressure test report to the building documentation.

#### Priming the installation area

Requirements:



### Applying the casting compound

- The installation area is fully laid with Fonterra Reno system panels.
- The Fonterra Reno system panels have been cleaned and are free of dust.

► Apply Fonterra Reno primer (model 1235.23) to the installation area until you reach the required colour value of the control chart.

**INFO!** For detailed instructions on primer processing, see the product information (Fonterra Reno primer, model 1235.23)

- Lay the pipes after the primer has dried.
- Connect the pipes and do a pressure test.



The temperature of the mixing water and the bagged product must be minimum 5 °C.

- Mix the casting compound pursuant to the processing guidelines.

For machine processing:

- Use a suitable mixing pump.
- Check the water addition and the complete mixing in regular intervals with a flow ring test (flow value: 240–260 mm, ring: 68 / H 35 mm).
- Clean the mixing pump within 30 minutes after the end of work.

For manual processing:

- Fill 5.75 l of water in a suitable high container and mix lump-free with one bag of casting compound (25 kg) for one to two minutes.
- You can use a compound stirrer.

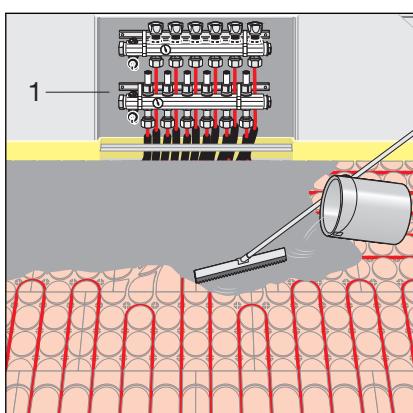
**NOTICE!** Too much water reduces the stability and increases the risk of tearing and shrinkage of the casting compound.

- With the heating switched off and cool, quickly apply the casting compound. (The uncovered holding time after mixing is approx. 15 to 20 minutes.)

We recommend a two-layer application:

- Apply the first layer of casting compound and spread it flush using a rubber spreading tool (model 1200.3).
- Wait until the first layer is dry to the touch (approx. 1 hour). Apply the second layer and spread it in one step in a 3 mm thick layer using a height-adjustable spreading tool (model 1200.2).

**NOTICE!** If another layer of casting compound is required, you can apply it within four hours of applying the first layer without priming the area once more. After the application, the area must be primed once more.



1 - machine pressure 0.6 MPa  
(6 bar)

- ▶ Provide for an even change of air while the casting compound is curing. After curing, ventilate the installation site.

**NOTICE!** Protect newly made areas from draft and direct solar radiation. Curing will take double the time in temperatures below 10 °C.

- ▶ Wait for approx. 24 hours before doing any grinding work (pay attention to the minimum layer thickness).

### 3.3 Disposal

Separate the product and packaging materials (e. g. paper, metal, plastic or non-ferrous metals) and dispose of in accordance with valid national legal requirements.

Dispose of set material in compliance with the applicable regulations, also refer to ↗ 'Regulations from section: Disposal' on page 5.



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