

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

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1 About these instructions for use

Trade mark rights exist for this document; for further information, go to 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.



DANGER!

This symbol warns of possible life-threatening injury.



WARNING!

This symbol warns of possible serious injury.



CAUTION!

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 <ul style="list-style-type: none"> ■ 17 00 00 ■ 17 08 00 ■ 17 08 02

2.2 Safety advice

UFI: PJX2-J1UE-X00T-WSXK



DANGER!
Risk to health

Keep out of the reach of children.



Contains Portland cement

Hazard notes

H315	Causes skin irritation.
H318	Causes severe damage to the eyes.

Safety advice

P101	If medical advice is required, have packaging or labelling ready.
P102	Keep out of the reach of children.
P280	Wear protective gloves/ protective clothing /eye protection / face masks.
P302+P352	IN CASE OF SKIN CONTACT: Wash with plenty of water.
P305+P351+P338	IN CASE OF EYE CONTACT: Carefully flush with water for a few minutes. Remove any contact lenses if possible. Continue rinsing.
P310	Immediately call the POISON INFORMATION CENTER or a physician.
P362+P364	Take off contaminated clothing and wash it before wearing it again.

GISCODE: CP1 WGK: 1 BetrSichV not applicable

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	6 l water; 25 kg casting compound
Layer thickness	2–10 mm
Usage for 3 mm coverage	approx. 10 kg/m ²
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


		Viega GmbH & Co. KG Viega Platz 1, D-57439 Attendorn DOP-13813-10
664 428 Fonterra-Vergussmasse		
Calciumsulfatestrichmörtel für Fußbodenkonstruktionen in Innenräumen		
Brandverhalten		A1
Freisetzung korrosiver Substanzen		CA
ph-Wert		6–8
Wasserdampfdurchlässigkeit		NPD
Druckfestigkeit		C25
Biegezugfestigkeit		F7
Trittschallisolierung		NPD
Schallabsorption		NPD
Wärmedämmung		NPD
Chemische Beständigkeit		NPD
NPD = No Performance Determined (keine Leistung festgestellt)		

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.

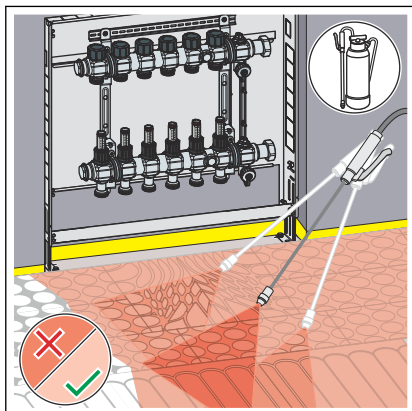


NOTICE! **Pressure test**

Check the installation for leak tightness prior to covering the pipes. 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 information regarding application of the primer see the product application instructions (Fonterra Reno primer, model 1235.23).

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



NOTICE!

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

- Mix the casting compound according to the application 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 6 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.

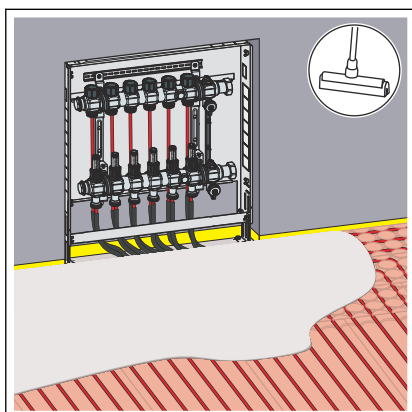
NOTICE! Too much water reduces the stability and increases the risk of tearing and shrinkage of the casting compound.

- Quickly process the casting compound with the heating switched off and cooled down (the open holding time is about 25 – 30 minutes after the mixing).

Viega recommends a two-layer structure:

- 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 a second layer and spread it with a height-adjustable spreading tool (model 1200.2) in a single work step to 3 mm layer thickness.

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.



- Ensure regular air exchange 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.

Do not dispose of the product in household rubbish.

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

Entirely empty and clean packaging can be recycled. Contaminated packaging must be disposed of in the same way as the product.



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INT • 2025-03 • VPN240169

