

SINNODUR Rapid

Fast binder for repair and assembly work

Product description

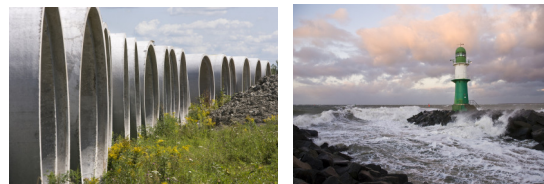
Sinnodur Rapid is a high-quality and extremely quick solidifying binder made of alternative raw materials for the replacement of Portland cement. It is as easy to handle as other cementitious products but even more durable.

The main features are:

- *1-component binder*
- *Reacts after 5 minutes*
- *Resistant after 30 minutes*
- *Universal use, both vertically & horizontally*
- *Made with alternative, environmental friendly raw materials*
- *Very resistant against mechanical loads*
- *Contains only inorganic components*
- *Enhanced durability*
- *Chloride free*
- *Usable as an accelerator for Portland cement*
- *Can be mixed with sand to create repair mortar (for bigger areas)*

Range of Usage

Sinnodur Rapid serves as a quick-setting cement for repair and assembly work. Possible applications include:



- Indoor and outdoor work on floors and walls
- Quick installation of railings, pipes, doors, electrical outlets, switches and safety boxes
- Filling holes and sealing cracks in concrete, plaster, screed and brickwork
- Direct use for small filling work
- Mixable with sand as mortar for larger assembly work
- As an accelerator additive in regular set mortars
- For casting and moldings

Characteristic data

Consumption	1,5 kg per liter cavity
Air- and surface-temperature	min. +5° C, max. +30° C
Bulk density of Powder	Approx. 1,1 g/cm ³
Load Capacity	30 minutes
Water demand	25-30 %
Process with:	Protective, gloves, trowel, spatula
Processing time at + 20° C and 50% humidity	Approx. 5 minutes

Technical data

SINNODUR Rapid

Consistency in N/mm²

Time	Flexural Strength	Compressive Strength
30 minutes	1.0	3.5
1 hour	-	6.6
2 hours	3.3	11
3 hours	3.7	16
6 hours	-	20
1 day	-	25
2 days	-	28
7 days	-	37
28 days	-	40

Preparation of the substrate

Be sure to sufficiently estimate the depth before filling holes or cracks. Loose and adherent dirt such as cement, gypsum or dust must be removed. Bordering areas must be free from oil or grease. The absorbency of the substrate and tile edges must be uniform.

Mixing and application

Sinnodur Rapid is a binding material that is packed in dense bags.

Small repairs of up to 0.5 liters in volume

The application-specific filling mortar is manufactured by intensive mechanical mixing. Pour the required amount of water (30 %, or approx. 1.5 liters per 5 kg or 7.5 liters per 25 kg powder) into the mixing bucket followed by the powder component while stirring.

Major refurbishment

Mix **Sinnodur Rapid** with sand in a ratio of 1:2 - 1:4. Pour the required amount of water (30 %, or approx. 1.5 liters per 5 kg or 7.5 liters per 25 kg powder) into the mixing tank followed by the **Sinnodur Rapid**/sand mixture while stirring constantly.

We recommend the use of a drill mixer with a 20 cm wide U-shaped paddle. The material has to be mixed intensely for 3 minutes. Apply the **Sinnodur Rapid** directly after mixing.

Do not mix more material than can be applied within 5 minutes. Dry mortar and water must have a temperature of at least +5

°C before mixing. We recommend a temperature range of between +5 °C and +35 °C. Do not add any more water or mortar to the finished mixture.

Tools, cleaning

For any interruption of work it is recommended to clean the working tools directly with water.

Delivery and pageage

Packaging:

5 kg, 25kg paper bag

Shelf-life:

1 year in closed bag, stored dry, frost free and free from moisture.

Safety, ecology and disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet. The current datasheets are available at www.sinnotec.eu. Also consider the instructions on the packaging.

Notes

Do not process **Sinnodur Rapid** at temperatures below +5 °C or above 35 °C, on frozen ground, frost, and at very high temperatures or wind.

In mixtures with Portland cement, the product must be mixed dry with sand before being proportionally mixed with water.

Do not use on surfaces with varying temperatures (e.g. hot water pipes).

The correct and hence successful application of our products is not within our control. A guarantee can therefore only be given for the quality of our products. This data sheet supersedes all earlier technical data on this product. Information supplied by our employees and/or distributors going beyond the information contained in this data sheet must be confirmed in writing. We reserve the right to make changes representing technical progress.