



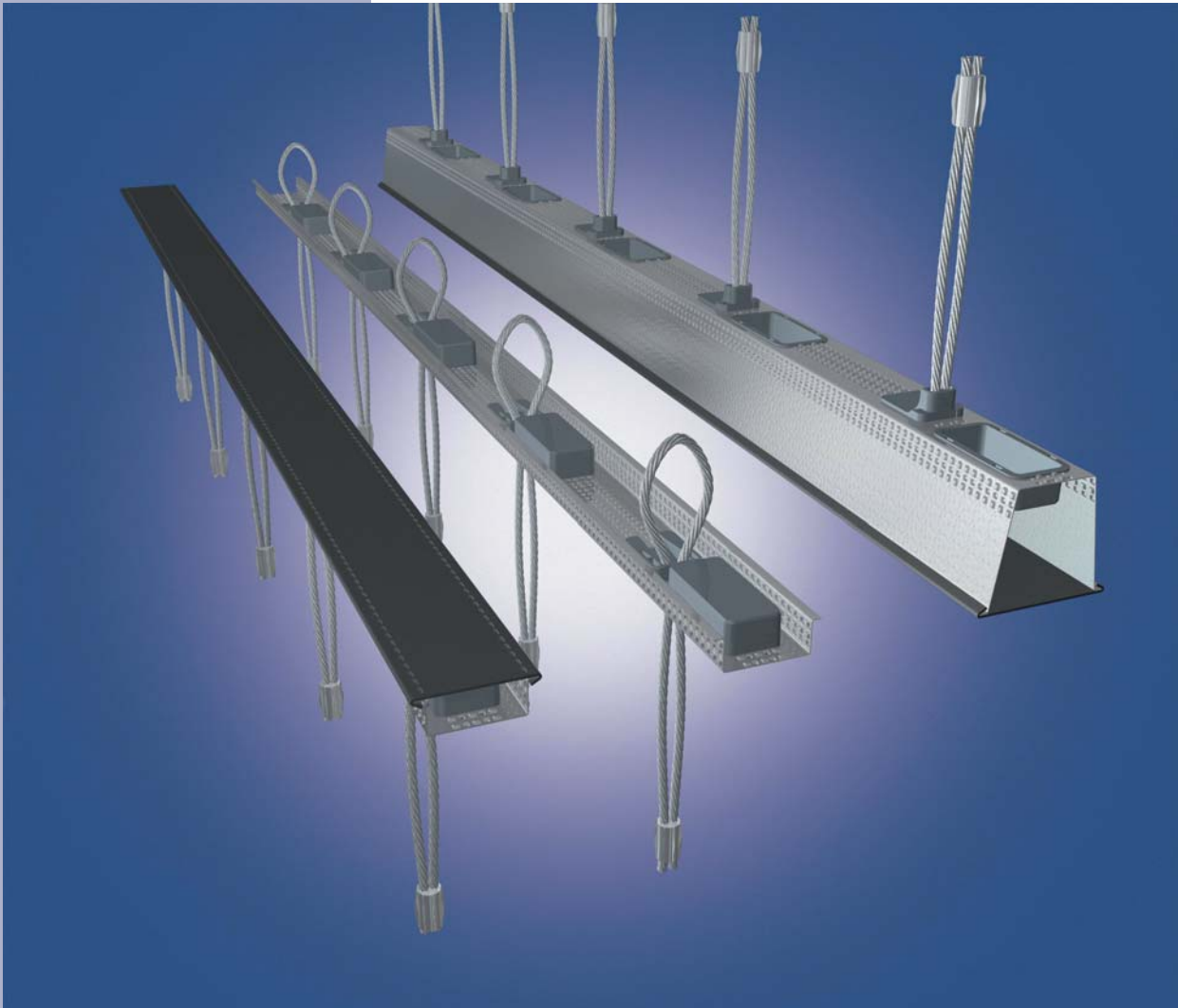
# PHILIPP Thixo Mortar

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## Product Information



for the Power Duo System



05/09 - EN



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The **PHILIPP Thixo Mortar** is a ready to use swelling mortar consisting of cement. It is non-shrinking, ductile process able with high early and end compression strength.

## Application


The **PHILIPP Thixo Mortar** is like the **PHILIPP Grouting Mortar** a joint mortar for the approved **PHILIPP Power Duo System**. The **PHILIPP Thixo Mortar** is used for connections of precast units

## Characteristics

The **PHILIPP Thixo Mortar** is chloride free. It has a controlled volumization and has no shrinkage. Therewith a force fit connection is ensured. The mortar generates high compression strength. **PHILIPP Thixo Mortar** complies with DIN 4102/EN 13501-1 of fire class A1, non flammable.

The **PHILIPP Thixo Mortar** is mainly made of natural resources, does not pollute the environment and can be used in drinking water areas.

## Processing

 The following processing instructions are only for your information. Please pay attention to the installation instruction of the **PHILIPP Power Duo System** as well as the approval.

### 1. Preparation

The **PHILIPP Thixo Mortar** is ready to use. Only water must be added. Before grouting the surface must be cleaned thoroughly and pre-wetted. Stagnant water and cement slurry must be removed. The capillary pinholes must be open.

### 2. Water Amount

Max. 15% water. That means ca. 3.75l water for each 25kg

### 3. Mixing

**PHILIPP Thixo Mortar** is mixed under addition of the suggested water amount. It shall be mixed in a mortar bin using a compulsory mixer with a slow stirrer.

Mixing time: ca. 3 minutes.

Processing time: 45 minutes at 20°C.

### 4. Pumping

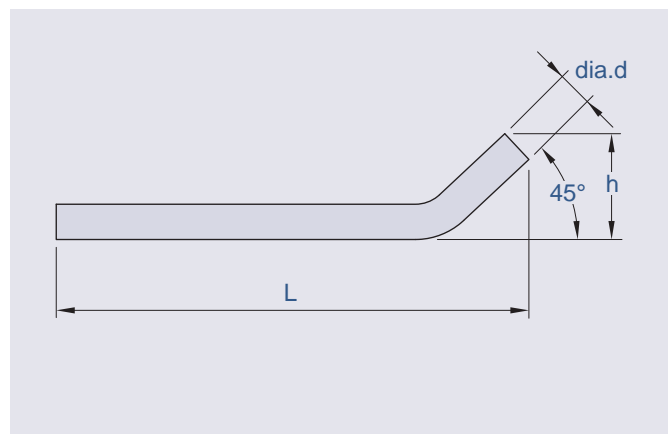
**PHILIPP Thixo Mortar** can be processed with a mixing pump e.g. Putzmeister S 5 EVTm, Sprayboy or Strobel 406S. The pumping of he mortar is made by a bent tube which can vary depending on wall thickness and joint width (see Table 1).

### Consumption

25kg dry mortar results in ca. 14l **PHILIPP Grouting Mortar**.

### Delivery form

25kg paper/PE bags



**Table 1: Geometry filling tube**

L	h	dia.d
[mm]	[mm]	[mm]
250	45	15

## Exposure class acc. to DIN EN 206-1/ DIN 1045-2

XO	XC				XD			XS			XF				XA			XM ①			
0	1	2	3	4	1	2	3	1	2	3	1	2	3	4	1	2	3	1	2	3	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				•		

① = excluded from StafStB regulation

② = additional procedures required



## Technical Data

Compression strength	
Days	[N/mm <sup>2</sup> ]
1 Day	30
3 Days	45
7 Days	60
28 Days	70

Bending tensile strength	
Days	[N/mm <sup>2</sup> ]
1 Day	3.8
3 Days	4.2
7 Days	6.5
28 Days	8.5

Swelling measure	
Swelling measure > 0.5% after 24 hours.	

Please pay attention to the approval and the installation instruction of the **PHILIPP Power Duo System**. These documents are available at our homepage [www.philipp-group.de](http://www.philipp-group.de) or on request.



PHILIPP Thixo Mortar can be ordered at:

**PHILIPP GmbH**

Tel.: +49 (0) 6021 / 40 27-300



**P&T, Technische Mörtel GmbH**

Abt. Auftragsbearbeitung  
Bataverstraße 84  
41462 Neuss



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The information of this data sheet, consultancy and other suggestions are based on research work and experience. These datas are non-binding and does not release the user to check the products for its purpose. All details are guide values and are determined at 20°C.

## Ropes

- ▲ wire rope slings
- ▲ crane and forest ropes
- ▲ wire, hemp and polyamide ropes
- ▲ hoisting and special ropes
- ▲ polypropylene ropes
- ▲ rope connections



## Lifting, attachment and lashing equipment

- ▲ load restraint systems
- ▲ RUD sling chains
- ▲ load suspension devices
- ▲ round slings, sling bands and lifting equipment
- ▲ rope and chain accessories
- ▲ lifting beams



## Transport and mounting systems for prefabricated units

- ▲ transport anchors
- ▲ spherical-head anchor system
- ▲ fixing sockets
- ▲ connecting technique



## Hydraulic, pneumatics and conveyor technique

- ▲ hydraulic units and components
- ▲ pneumatic, connector systems and accessories
- ▲ Hoses, fittings and accessories
- ▲ machines, tools, machinery systems and accessories

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