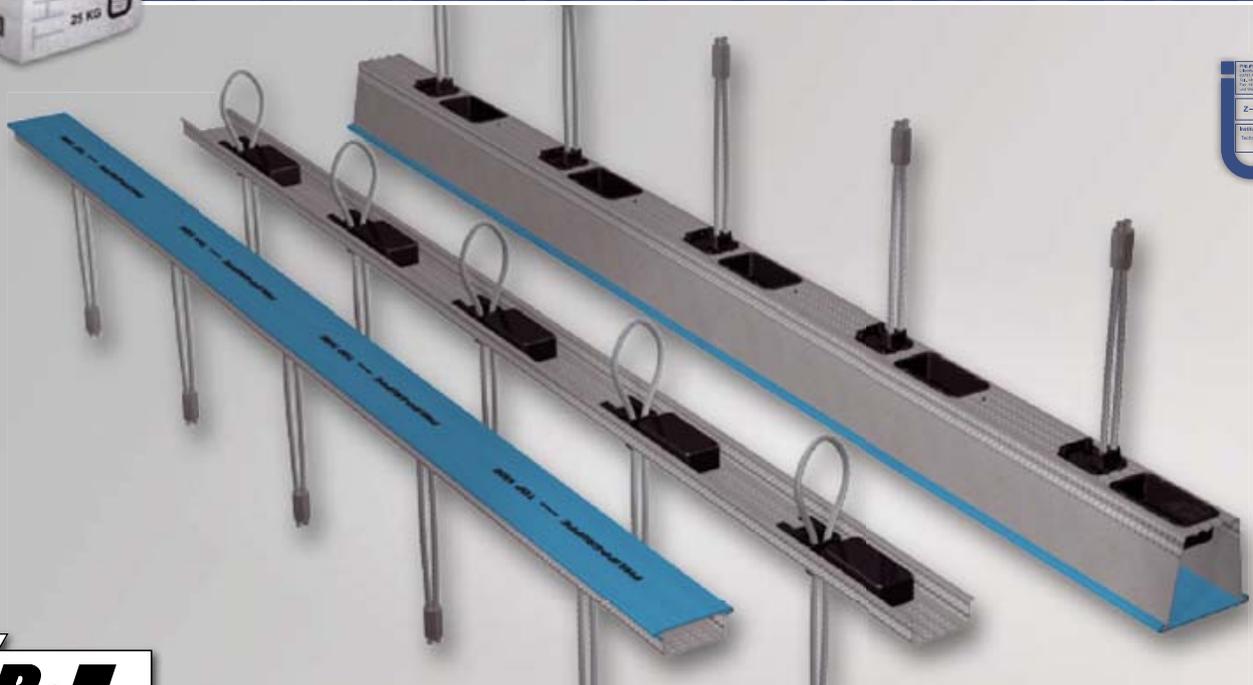


PHILIPPGROUP



PHILIPP - P&T Thixo mortar



VB3-V-007-en - 01/16



for PHILIPP Power Duo System

Technical Data Sheet

PHILIPP - P&T Thixo mortar

The thixotropic mortar is a ready for use cement based dry mixture, shrink-free and with a high early and final strength.

Application

The P&T Thixo mortar is a joint mortar approved for the Power Duo System (Z-21.8-1867). It connects precast concrete elements to each other permanently and force-fit via integrated, approved Power Duo rails.

Properties

- The Thixo mortar is free of chloride. Due to a controlled volume increase the mortar is shrink-free and guarantees a force-fit connection. It reaches a high final strength.
- The Thixo mortar is conform to fire resistance class A 1 (non-combustible).
- The Thixo Mortar is made of natural raw materials mainly, does not pollute the environment and can be used in drinking water areas.

Processing



Following processing instructions are only for information. Please refer also to the information given in the Installation Instruction and the approval of the Power Duo system.

1. Pre-treatment

The Thixo mortar is ready for use, only water has to be added. In order to improve the adhesion the base surface must be wetted. Adhesion-reducing parts must be removed from the joint.

2. Water consumption

Approx. 15 % water per 25 kg bag, i.e. approx. 3.75 litres water

3. Mixing

The Thixo mortar is mixed with the amount of water specified (approx. 15 % $\hat{=}$ approx. 3.75 litres per 25 kg bag) lump-free and homogeneous. This can be done either with a hand mixer and mortar barrel or in a compulsory mixer. At least for 3 minutes the mortar must be mixed. The processing time is about 45 minutes at +20°C.

4. Pumping

With various mixing pumps of different manufacturers the mortar can be processed, for more details please ask the mortar supplier directly. Grouting of the mortar is then made with a bent hose end (table 1).

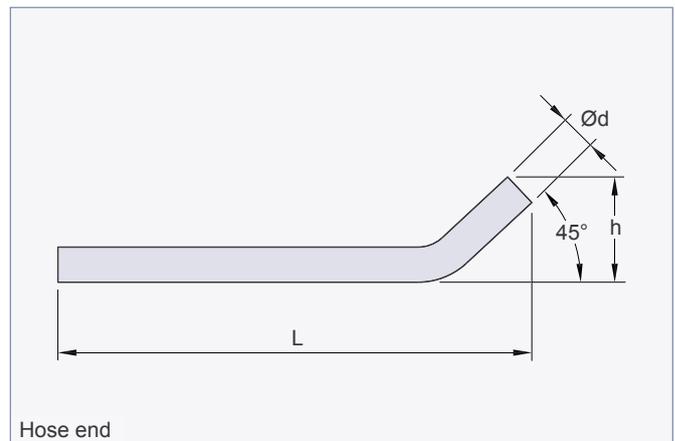
Consumption

25 kg dry mortar results in 14 litres thixotropic mortar.

Packaging

25 kg paper/PE-bags with 42 x 25 kg = 1,050 kg per eu-ro-pallet

Geometry hose end



L [mm]	h [mm]	Ød [mm]
250	45	15

PHILIPP - P&T Thixo mortar

Exposure classes 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 measures required (epoxy resin coating)



Please refer to the approval and Installation Instruction of the Power Duo System. These can be found at www.philipp-group.de or are available on request.



The PHILIPP - P&T Thixo mortar is supplied by:
PHILIPP Technische Mörtel GmbH & Co. KG
 Abt. Auftragsbearbeitung
 Bataverstraße 84
 41462 Neuss, Germany

Technical data	
Compression strength	
Days	[N/mm ²]
1	35
7	60
28	70
Bending tensile strength	
Days	[N/mm ²]
1	4.0
7	5.0
28	8.5
Swelling measure	
Swelling measure ≥ 0.5 % after 24 hours	

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The data given in the data sheet, the application-technical guidance and other recommendations are based on extensive research and experience. However, they are not binding and do not absolve the customer to check the products and procedures regarding their applicability for the intended use. All data are only guide values and are determined at +20°C.

Notes:

