

MUREXIN

Plaster Joint PF 30

easy processing | high bending and compressive strength
heat, frost, and de-icing salt resistant | no weed growth

Tile laying technology



It lasts.

Plasters of any kind!



Plasters of all kinds are an essential component in the design of attractive and harmonious outdoor spaces. With one of the most pleasing rediscoveries of our time, however, many a problem became visible again: weed growth in the joints, mortar residue and cement residue on the surfaces, breaking up of the grouting through the suction effect of car tyres and sweepers, damage through frost, dew and alternating effects, destruction of the joint material through de-icing salt and other chemical effects.

In addition, impermeable grouting leads to an increased load on the drainage systems. With the Murexin Plaster Joint **PF 30**, the advantages are obvious.

Application areas

Private area:

- Footpaths and garden paths
- Terraces
- Private garage driveways

Public areas:

- Mobility zones, e.g. market squares and pedestrian zones (exception: streets)

Shelf life

Can be stored indefinitely if handled properly.

Frost resistance

The frost resistance of the material also allows it to be stored outdoors.

Resistant to weathering

With Murexin Plaster Joint **PF 30** there are no drawbacks in the event of rain before, during and after processing. (Note: A drainable substrate must be guaranteed). Surfaces therefore do not need to be covered or protected from rain. Heavy rainwater can cause the joint to wash out when fresh. The freshly grouted plaster joint must be protected from frost for at least 48 hours after processing.

Slurrying capability

The option of slurrying the material on a saturated pre-wetted surface using a "soft" spray jet significantly improves the result and avoids cavities, blowholes, stains and all other known problems.

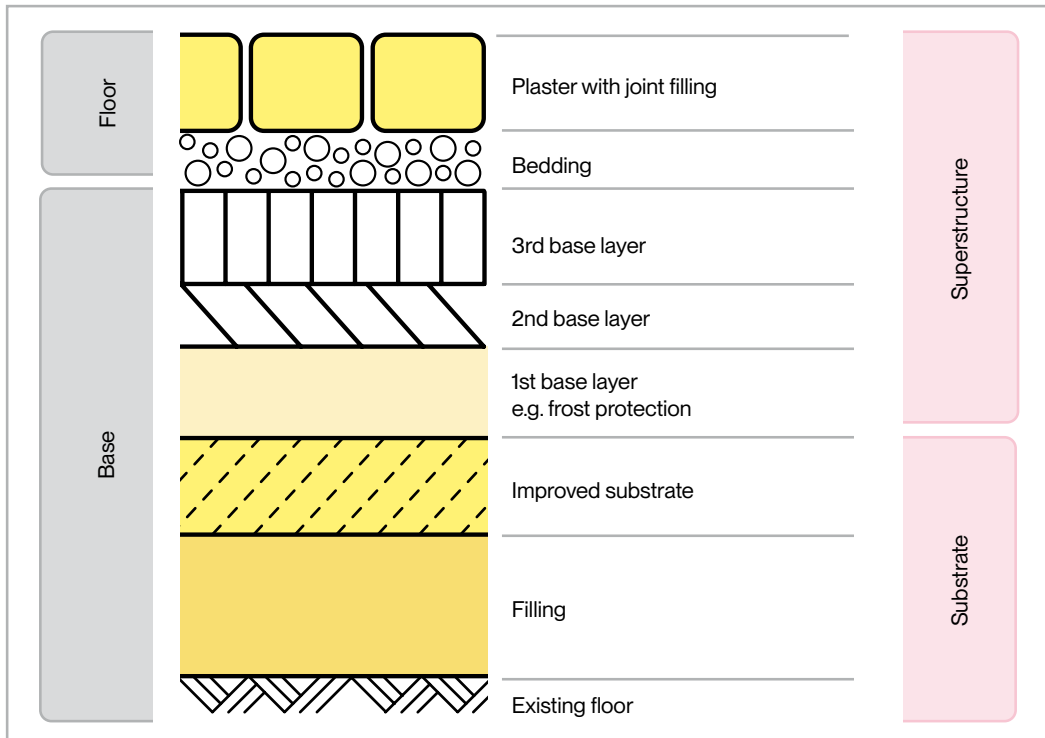
Compressive strength

If the plaster joint is slurried in, the compressive strength is up to 17N/mm².

Permeability

According to DIN 18130, the Plaster Joint **PF 30** is "highly permeable" and thus corresponds to a water permeability $W_d=10^{-2} - 10^{-4}m/s$

The structure of an optimal plaster joint laying






Substrate




The substrate should be dimensioned according to the expected traffic load and comply with the generally applicable regulations. The Murexin Plaster Grout **PF 30** does not set on the substrate. Any existing expansion joints in the substructure must be incorporated into the plaster surface.

The substrate must be water permeable!

Garage entrances and courtyards

	8 or 10 cm stone height
	approx. 5 cm chippings Grain size 2 to 8 mm or similar
	approx. 20 to 25 cm of gravel Grain size 0 to 45 mm or similar

Terraces and garden paths

	8 or 10 cm stone height
	approx. 5 cm chippings Grain size 2 to 8 mm or similar
	approx. 10 to 15 cm of gravel Grain size 0 to 45 mm or similar

Prerequisites

- minimum 8 mm joint width
- Joint depth: at least 30 mm for pedestrian traffic
- Substrate must be stable and load-bearing
- **Water-permeability**

Caution

Concrete paving blocks are already predominantly supplied with **spacer studs**. These are primarily used to protect the products, e.g. during mechanical picking processes in the factory and possibly on the construction site. **They do not serve as a substitute for the joint width specified in the regulations.** Peck laying is not permitted. Concrete on concrete contact must be avoided in order to ensure the necessary elasticity of the floor and its flexible load-bearing behaviour and to prevent edge spalling on the stones.

Technical data

Murexin Plaster Joint PF 30

Colour range



sand beige



stone grey



basalt grey



black

- ready-to-use
- functionally safe
- no weed growth
- Heat, frost and de-icing salt resistant
- can also be processed in rain

Product properties

Single-component, oxygen-curing, ready-to-use plaster grout with high and permanent water permeability. Resistant to weathering - can even be processed in rain showers. Slurry application recommended!

Application

In outdoor areas from a minimum joint depth of 30 mm and a width of 8 mm. For grouting footpaths and garden pathways, terraces, large areas for natural stone and concrete paving stones, as well as board and clinker surfaces. Suitable for pedestrian traffic and also for light loads from cars, e.g. private driveways. The substrate must be permanently water permeable!

Pre-wet the surface heavily and re-wet more often if necessary!

Product Data

Delivery method: 25 kg plastic bucket;

Storage: Can be stored frost-free, cool, and dry on wooden shelves in unopened original container: **unlimited shelf life**. Once the container has been opened, the contents must be used up or the remaining quantity from the vacuum bag must be transferred to the bucket and covered with water so that all the remaining material is generously submerged.



Technical Data

Average consumption in kg/m ² at 30 mm joint depth:		Joint width		
		8 mm	12 mm	15 mm
Mosaic plaster	4 x 6 cm	13.3	20	24.8
Small-scale plaster	9 x 11 cm	7	10.5	13
Large-scale plaster	14 x 16 cm	4.5	7	8.75
Boards	20 x 20 cm	3.5	5.25	6.75
	40 x 40 cm	1.75	2.5	3.5

Consumption: depending on stone format, joint width and joint depth. The precise consumption is to be determined using a test area.

Pot life: approx. 30 minutes

Compressive strength: up to 17 N/mm² slurried in,
9 N/mm² swept in

Bending tension: 4 N/mm²

Density: 1.65 g/cm³

E-module: approx. 2 kN/mm²

Simple and reliable processing



Once the stoneware has been optimally prepared, grouting can now begin. Clean joint to min. 30 mm depth.



Thoroughly pre-wet the surface.



In case of heavily absorbent substrates or quicker drying, repeat pre-wetting during processing!



Murexin Plaster Joint **PF 30** is in a plastic bag protected from moisture and air.



Pour the grouting material onto the pre-wetted surface.



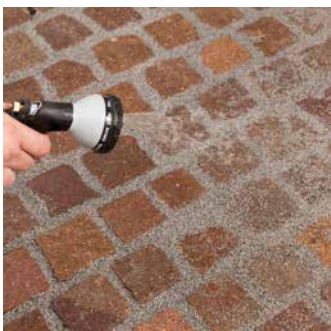
Apply the mortar deeply, firmly and thoroughly into the joints using a road broom or rubber broom.



Ensure that the joint is filled evenly and over the entire surface.



Carefully remove excess material with a soft brush.



Light watering leads to greater sealing of the joints. Do not direct the water jet directly onto the joint.



Completely brush out the remaining mortar residue with a soft brush, diagonally to the joint.



Protect the surface from further loading for 24 hours. Residual adhesions can then be removed with a coarse brush.



Final release of the surface after 7 days.

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Subject to typesetting and printing errors. Edition: 01/2024. We would like to point out that the photos used are only symbolic photos and that these objects do not require our products but only demonstrate areas of application, unless they are explicitly mentioned as reference objects.

It lasts.