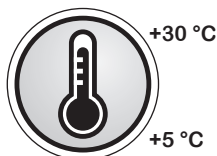


CHARACTERISTICS



FLOWJOINT® is a ready-to-use fast hardening, low shrinkage jointing mortar with extremely good self-flowing characteristics, used for the jointing of cobbles, nonporous clinkers and concrete tiles and pavements, where an early load and taking into service is required. FLOWJOINT® has an excellent adhesion to cobbles and extraordinary high compression strength.

FLOWJOINT® is composed of special hydraulic binding agents, quartz sands and additives of superior quality. FLOWJOINT® can be used on 8 up to 30 mm wide joints. It is a ready-to-use product in the form of a powder. By adding only water, a liquid to plastic jointing mortar with a high mechanical resistance is obtained, which on top of that can be applied on non-permanent humid bases. Existing joints can be repaired using FLOWJOINT®.

FLOWJOINT® can be classified as CG 2 W A.

Technical characteristics	Corresponds to the requirements according NBN EN 13888
High abrasion resistance (CG2 A)	$\leq 1.000 \text{ mm}^3$
Flexural strenght after dry storage	$\geq 2,5$
Flexural strenght after freeze-thaw cycles	$\geq 2,5$
Compressive strenght after dry storage	≥ 15
Compressive strenght after freeze-thaw cycles	≥ 15
Shrinkage	$\leq 3 \text{ mm/m}$
Reduced water absorption after 30 min. (CG2 W)	$\leq 2 \text{ g}$
Reduced water absorption after 240 min. (CG2 W)	$\leq 5 \text{ g}$

Technical characteristics	
Liquid density	2,18 kg/L = $\pm 13 \text{ L}$ per bag of 25 kg
Delivery state	Light grey powder
Grain size	0-4 mm
Taking into service	After 24 to 48 hours at $+20^\circ \text{C}$
Processing time	Between 15 and 20 minutes
Time of setting	45 minutes
Compressive strength	After 24 hours 20 MPa (N/mm ²) After 28 days 70 MPa

Mixing ratio	Consumption	Packaging
$\pm 3,25$ to $3,50 \text{ L}$ water per bag of 25 kg (± 13 to 14% water)	7 to 30 kg/m^2 , depending on the depth of the joint and size of the pavement products	25 kg PE
Colours	Processing time	Application temperature
Light grey	± 15 à 20 min.	$+5^\circ \text{C}$ till $+30^\circ \text{C}$ (substrate & environment)

DIRECTIONS FOR USE

1. Substrate

- FLOWJOINT® is always applied to a stable, clean, appropriate substrate. The substrate must be sufficiently old. The surface must be free of oil, grease, dust, etc. Loose parts, if any, must be removed.
- Moisten the surface beforehand with clean water, remove excess water. Avoid that puddles are formed.
- Ensure that the pavement has an adequate slope. The cobbles, clinkers, concrete tiles, etc. must be fixed.

2. Processing

FLOWJOINT® is prepared with $\pm 13-14\%$ water, that is $\pm 3,25$ to 3,5 litre of water per bag of 25 kg depending on the desired consistency. Pour the required quantity of water for each bag of 25 kg in a mortar tub and add the dry joint mortar slowly and uniformly. Mix everything intensively during 5 minutes with a slowly rotating mixer until a homogenous and liquid mortar without lumps is obtained. Before applying FLOWJOINT®, the jointing mortar must rest for 1 minute. After FLOWJOINT® has been prepared with water, the product must be processed within 20 minutes. Pour FLOWJOINT® into the joints until they are completely filled. At those spots where the product can run out, one must first make a small barrier. One can fill the joints simply using a bucket, watering can or by distributing the product with a rubber wiper. Hardening of the excess mortar on the pavement is avoided by keeping the surface wet. As soon as the mortar in the joints begins to harden (at $+20\text{ }^{\circ}\text{C}$ this will be after $\pm 40-60$ minutes), the surface shall be flushed abundantly with clean water, while the excess product is removed using a brush or rubber wiper. Remove the excess water. Avoid hollow joints that are too deep. Clean the tools using water.

REMARKS

- Do not mix more product than can be processed within 20 minutes.
- The minimum depth of the joints is 30 mm. The minimum width of the joints is 8 mm and the maximum width is 30 mm.
- The processing temperature is from $+5\text{ }^{\circ}\text{C}$ to $+30\text{ }^{\circ}\text{C}$ (this applies to the surface as well to the ambient temperature around). Do not use in direct sunlight. FLOWJOINT® is temperature sensitive: a higher temperature results in a shorter processing time, a lower temperature will delay the taking into service of the pavement.
- During hardening, protect FLOWJOINT® against frost, rain, high winds and direct exposure to sunlight.
- After 4 hours (at $+20\text{ }^{\circ}\text{C}$), one can walk on FLOWJOINT®, traffic (e.g. cars) is allowed after 24 hours. FLOWJOINT® is a ready-to-use product, cement, plastic dispersion, sand or others additives shall not be added.
- FLOWJOINT® is walkable after 4 hours (at $+20\text{ }^{\circ}\text{C}$), traffic (e.g. cars) is possible after 24 hours.
- FLOWJOINT® is a ready-to-use product, no cement, plastic dispersion, sand or other additives may be added.
- FLOWJOINT® is a cement-based product. Due to the reaction with water, depending on the specific site conditions, free lime may or may not form on the surface which will lead to a more white colour of the joint. Due to weathering of this limestone layer, the colour will change to grey over time.
- The joint construction is designed in such a way that the stresses that occur (e.g. due to dilatation) can be absorbed by the tile surface. Clamping between walls, floor, columns, etc. must be avoided. Expansion joints in the supporting surface must be resumed in the tile surface. All these joints are sealed with an elastic joint sealant (SILICONE SN & NA).



PACKAGING

FLOWJOINT® is available in light grey colour in polyethylene bags of 25 kg. The shelf life is 12 months in the original, closed packaging and kept dry.

FOR LARGE AREAS

When joining driveways, terraces and public roads with FLOWJOINT®, the remaining mortar on the surface can be efficiently absorbed and removed by the Schwammfix 880.

The Schwammfix 880 consists of a sponge belt driven by a 4-stroke petrol engine. The sponge belt absorbs the mortar from the surface and is then pulled through a water bath where it is rinsed and squeezed between two rollers.

The advantages in a nutshell:

- Efficient cleaning of the surface in one movement
- No washing out of the joints
- Considerable time savings
- Controlled disposal of mortar residue

Practical information:

- New sponge belt technology: with new sponge materials for absorbing sand grains up to 4 mm. The sponge belt is driven by a conveyor belt with drive belt, and can therefore not stretch or tilt, which increases its service life.
- By folding up the press rolls, the sponge belt can easily be replaced.
- A water container of 65 L gives sufficient autonomy before the water needs to be changed. The aluminium rollers have a long service life and are low-maintenance.
- The large pneumatic tires make the machine easy to handle, and distribute the tire pressure.
- With a rotating wheel the sponge belt can be adjusted in height, and the pressure on the sponge belt can be steplessly adjusted.

