

TECHNICAL DATA SHEET

GOTOWY BETON DO SŁUPKÓW 448 POST MIX

A specialized, ready-mixed concrete mix for fastening fence posts.



Areas of application

It is characterized by quick-setting. It can be used for petty works at home and in a garden such as fixing kerbstones and making concrete elements. Waterproof and freezeproof. B-30 quick-setting concrete is also intended for screeds and substrate levelling layers. It is especially recommended in areas where the setting rate is of particular importance (corridors, passageways etc.). The product sets after being sprinkled with water. It does not require additional mixing.


Properties

- Fast-binding
- High mechanic durability
- Binding after 15 minutes
- Frost-resistant
- Waterproof
- Non-shrinking

Application procedure



Technical data

Item number	37557
Packaging	
Quantity per unit	20 kg/unit
Unit per pallet	64 unit/Pal.
Grain size	0-4 mm
Colour	Grey
Consumption	approx. 2 kg/dm ³
Compressive strength	≥ 30 MPa
Possibilities to enter	2 h
Suitable for floor cover	24 h
Chromium content	≤ 0,0002 %
Coating thickness	25-80 mm

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Material base

- Portland cement
- Aluminous cement
- Quartz additive

Application conditions

Apply at temperatures from +5 °C to +25 °C, these temperatures apply to air, bed and product. All substrates shall be bearing, compact, stable, even and clean

Surface

When fixing posts, the product does not need to be mixed with water. Dig up a hole for a post to be as deep as needed. Absorptive substrates shall be moistened with water or primed. In case of "floating" subfloor, styrofoam or mineral wool panels of appropriate hardness shall be staggered (mounted with edge shifting) on a cleaned and even bed. The panels shall be mounted in such a way as to avoid slots between them. When styrofoam panels are applied, sand bed can be a good solution to level any surface irregularities, which could otherwise cause panel cracking or curling. An expansion joint shall be made with a joint filler tape to separate a screed from walls. PE film shall then be uniformly spread on the entire surface. The film shall be placed with a min. 0.2 mm turn up on the wall above the expected poured base level. Film shall be joined with min. 10 cm overlaps by gluing, joining with self-adhesive tape or welding to achieve tight insulation. Note: properly made "floating" subfloor shall not be directly connected with walls, the bed under insulation or with installation elements. Tightness and mounting of the heating installation shall be checked. In case of hot water heating, pipes shall be filled with water to avoid their flowing out in the course of works. A hole in ground with a stabilised fence post: pour dry mortar into the hole with the stabilised post and add appropriate quantity of water. Making small concrete elements: pour mortar into a formwork, possibly with applied reinforcement. Concrete, reinforced concrete: moisten with water, if very absorbent, prime with GRUNTOLIT-W 301. Cement screed: Prime with GRUNTOLIT-W 301 or EXPERT 6

Preparation

This is a fast-bonding mortar thus it shall be applied prior to the onset of bonding process - max. after 15 minutes (depending on temperature).

Application procedure

When fixing fence posts, the product does not need to be mixed with water. A post must be fixed vertically in a hole, pour the product and sprinkle it with water (e.g. by means of a watering can). The product will set in humidity conditions. When making a floor base, the prepared mortar must be laid between guides which mark out the required thickness of screed and surface (horizontal or with a slope). After evening preliminarily with a straightedge, surface of the base must be rubbed with a big plastering trowel. It can be reinforced with reinforcement mats. It is necessary to comply with the principles of using expansion joints. Minimum thickness of base 25 mm (bound with substrate).

Instructions

1 bag is enough for a 30x20 cm hole. While subfloors are made, the principles shall be followed of expansion joints application: structural, insulation and anti-shrinkage. Structural expansion joints shall be used at the areas where structural building expansion joints run and when it is necessary to eliminate the effect of thermal material expansion. Insulation expansion joints shall be used to separate the floor from other building elements (walls, pillars, stairways, etc.) which may constrain floor movements. They shall also be used where subfloor thickness is changed and at the contact point of various floors, as well as to separate rectangular subfloor fields at premises with complex shapes. Anti-shrinkage joints shall separate the entire area into fields, not larger than: 30 m² with side length up to 6 m at indoor premises, 20 m² with side length not exceeding 5 m- in rooms with floor heating, 40 m² with side length up to 8 m- in rooms with floor heating when anti-shrinkage reinforcement is applied (a recommended solution). In corridors, the spacing of anti-shrinkage joints shall not exceed 2-2.5-fold value of corridor width. Expansion joints of screeds on terraces shall be spaced every 2-2.5 m, depending on insulation and outer lining colour. The post stabilize after 2 hours (in +20 °C)

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Storage

Up to 12 months from the date of manufacture, in dry places and in intact packaging

General information

This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing. All technical data is given for the temperature of 20 degrees Celsius. These temperatures apply to air, bed and embedded material. All technical data listed in this product specification has been determined under laboratory conditions.