

FREESET

5 minute setting concrete for posts



1-Product description

1.1 USE

- Freeset is a specialized concrete mix designed for very rapid setting of wood and metal posts.
- Easy to use, simply fill hole with water and powder, it will set in only 5 minutes.
- Freeset is ideal to eliminate bracing step.
- Used as directed, Freeset meets ASTM C-387 standard for high-early strength concrete.

2-Installation

2.1 SURFACE PREPARATION

- Coat the portion of metal posts that will be underground with rust proofing coating or paint.
- It is preferable to use treated wood posts designed for exterior use.
- Make sure the temperature is between 5°C (40°F) and 35°C (95°F), during the application and for the following 48 hours.
- For interior use: Dig a hole of a depth equivalent to one third (1/3) of the total post length and of a diameter equivalent to two and a half times (2 1/2) the diameter of the post to be installed. Compact the bottom and the side of the hole.
- For exterior use: Dig a hole of 15 cm (6 in) deeper than the frost line (minimum of 122 cm, 48 in). Install a thick layer (15 cm, 6 in) of bomix® crushed stones to assist in drainage.

- The use of a cardboard tubing (sonotube) will lower the risks of the post lifting out of the ground during freezing and thawing seasons.

- For posts designed for play areas or other specialized equipment, follow the equipment manufacturer's guidelines concerning required hole depth and diameter.

2.2 APPLICATION

- Fill hole half-full with clean water.
- Place post in hole and pour Freeset at a steady, even rate around post.
- Pour enough powder to have some dry powder on top of water.
- Align post to desired position. No bracing is necessary. Freeset will harden in approximately 5 minutes at 23°C (73°F).
- Sprinkle water on top of visible powder in the hole. Tamp surface to eliminate air bubbles.

2.3 PROTECTION AND CURING

- Allow a cure of 24 hours before putting heavy loads on the post.

2.4 CLEANING

- Clean tools rapidly (within 5 minutes) with cold water. Once mix is hard, only a mechanical cleaning will be efficient.

3-Packaging

- This product is available in 22.7 kg (50 lb) bag.

4-Storage

- Store in a cool, dry place. Avoid placing bag directly on the floor.
- Shelf life is one year in unopened bags.
- Discard product that has been damaged by water or humidity or that contains hard lumps.

5-First aid

This product contains portland cement and may cause eye, skin and respiratory system irritation. Wear rubber gloves, safety glasses and approved dust mask. If swallowed, call a Poison Control centre or doctor immediately. Do not induce vomiting. In case of contact with eyes, rinse well with water for 15 minutes. In case of skin contact, rinse well with water. Keep out of reach of children. Consult the safety data sheet for more information.

6-Technical services

Contact Daubois for more information about application methods or conditions or to obtain the latest version of our technical documents.

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Technical data sheet

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Technical data table

Characteristic		Results
Initial set time (minutes) ASTM C-191		5
Final set time (minutes) ASTM C-191		8
Compressive strength ASTM C-109	1 day 7 days 28 days	20 MPa (2900 psi) 24 MPa (3480 psi) 30 MPa (4350 psi)
Specific weight kg/L (lb/ft ³) ASTM C-185		2.00 (124)
Covering of a 22.7 kg (50 lb) bag		0.010 m ³ (0.35 pi ³)

Note: These results were obtained in a laboratory at 23 °C (72°F)

7-Warranty

Daubois guarantees that this product will perform as specified in this technical data sheet and suits the application for which it was intended. Nonetheless, Daubois does not offer any explicit or implicit warranty. Under this warranty, Daubois' responsibility is limited to either replace or refund the cost of the product proved defective.