

Swift-patch

Polymer modified rapid setting patching compound



1. Product description

1.1 USE

- Swift-patch is a rapid setting polymer modified patching compound designed to fill cracks, voids, holes and depressions on interior concrete or plywood surfaces.

- The smooth finish rendered from this underlayment is ideal to receive floor coverings such as: vinyl tiles, linoleum, wood parquet, carpets and ceramic tiles.

1.2 ADVANTAGES

- Sets rapidly.
- Provides a smooth finish to receive floor covering.
- Can be easily applied in thickness ranging from 1.5 mm (1/16 in) up to 12 mm (1/2 in).
- Can be applied on any concrete surfaces or on plywood.

2. Installation

2.1 SURFACE PREPARATION

- Surface to be repaired must be sound, clean and free from bond inhibiting materials such as dust, oil or paint.
- Make sure the temperature is between 5°C (40°F) and 35°C (95°F), during the application and for the following 48 hours.
- Humidify the surface before the application. Do not leave any accumulation.

2.2 MIXING

- Pour 330 to 360 ml (11 to 12 oz) of potable water per kilogram of Swift-patch into a clean container.

- Gradually add the powder while mixing continuously to avoid formation of hard lumps.

- Mix during 2 to 3 minutes until the mixture has a homogeneous consistency. Scrape the sides of the container during mixing.

- Mix only the amount of material that can be used within 10 minutes.

- It is possible to use a drill equipped with a mixing attachment such as a paint mixer.

- Do not use a concrete mixer; it does not mix vigorously enough.

- Immediately apply the product.

2.3 APPLICATION

- Apply mortar rapidly using a steel trowel. Cover the surface up to a thickness of 12 mm (1/2 in).

- For thicker applications, it is possible to apply successive layers. It is suggested to apply the coat that will be covered with a notched trowel to leave a rough surface, which will enhance adhesion between the two coats. Wait 2 hours before applying another coat.

- For crack repair, force the material into the opening applying pressure with a steel trowel.

2.4 FINISHING

- Proceed immediately with the finishing step.

- To obtain a smooth finish, use a steel finishing trowel. For a rough finish, use a broom or a wooden float.

2.5 PROTECTION AND CURING

- Allow a cure of 2 hours before any foot traffic is permitted. Increase waiting time in cool temperatures.

- Allow a cure of 24 hours before installing floor covering.

2.6 CLEANING

- Clean tools and containers with water while mixture is not yet hardened. Once it is hard, only a mechanical cleaning will be efficient.

3. Packaging

This product is available in:

- 5 kg (11 lb) container
- 10 kg (22 lb) bag

4. Storage

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

Technical data sheet

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Technical data table

Characteristic		Results
Initial set time (minutes) ASTM C-191		20
Final set time (minutes) ASTM C-191		35
Service time (hours)		2
Compressive strength ASTM C-109	3 hours 1 day 7 days 28 days	8 MPa (1160 psi) 15 MPa (2175 psi) 22 MPa (3190 psi) 25 MPa (3625 psi)
Specific weight kg/L (lb/ft ³) ASTM C-185		1.82 (114)
Covering per kilogram		0.1 m ² (1 ft ²) at a thickness of 6 mm (¼ in)

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

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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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.