

HEY'DI PRODUCT DATA SHEET



HEY'DI EXPAND

Expanding, cement-based dry mortar.



Description

Hey'di Expand is an expanding, cement-based dry mortar. Hey'di Expand expands in a plastic phase by 1 to 3 per cent, achieving maximum hold and filling cavities without rupturing the rock or concrete.

Areas of Use

Hey'di Expand is used for bolt anchoring, joint filling and grouting under base plates. The temperature should be between +5 and +25 °C, in both air and substrate. Hey'di Expand is also supplied in a frost resistant version for use in temperatures down to - 25 °C.

Preparation

Surfaces must be clean and free from loose particles, dust and grease.

In hot weather or on highly absorbent surfaces, pre-wetting is recommended but take care to avoid free water on surfaces and in boltholes.

Mixing

First pour clean water into the mixing tub, then add Hey'di Expand, approx. 4 litres of water per 25 kg. Mix for about 2 minutes to achieve a homogenous mixture.

Application - Baseplate

For small details, pour the mixture direct from the mixing tub. Pour from one side; the mixture will flow outwards. For large scale operations it is best to pump the mixture. When using a mould, it needs to be absolutely leakproof, made of a non-absorbent material and with a little excess height to allow for expansion of the mixture. On one side build a funnel into which the mixture is poured, carrying out the mixing and pouring in one continuous process. The mould needs 10-20 mm clearance on both sides

to enable vibrating the mixture, using a stick or reinforcement bar to eliminate air pockets. If a pump is used, place the hose in the middle of the mould, enabling the mixture to flow in all directions. Cast thickness 10 to 150 mm. For thicker layers up to 30 per cent gravel may be mixed in max. grain size 8 mm. Clean tools using water.

Application - Anchoring

Pour the mixture direct from the mixing tub. The hole must have a diameter at least 15 mm and maximum 50 mm greater than the object to be set into the mixture. Use a stick, reinforcement bar or similar object to steer into the mixture, allowing any air to escape.

Workability time

The mixture should be used within approx. 30 minutes, do not add more water once the compound begins to set. After applied compound, exposed surface should be watered for some days. Applying a curing membrane or covering with plastic sheet is also effective.

Consumption

25 kg of Hey'di Expand produces about 12,5 litres of mixture.

Storage

Store in a dry place. Best results are achieved within 9 months of the date of manufacture.

Packaging

25 kg sack.

TECHNICAL DATA

Water demand:.....approx. 4 l/25 kg
Consumption:..... 1,8 kg/l
Max grain size: 3 mm
Tickness: 10-150 mm
Compressive strength 28 days:..... 60 MPa

PRODUCT INFORMATION

Hey'di item number:..... 162
GTIN nr:..... 7054150001625

Work Hygiene/Precautions

The product contains cement which, when mixed with water, may cause irritation to the skin and eye, nose and throat mucous membranes. Always read the warning on the packaging before starting work.

Revision date: 25.07.14



HEY'DI QR CODE

Use the internet or mobile phone to view our product manuals and download product data sheets and material safety data sheets.