TECHNICAL
DATA SHEET

RASCOhybrid HMS317 AC

POLYURETHANE HYBRID MORTAR INJECTION MATERIAL

HYBRID INJECTION PRODUCTS

RASCOhybrid HMS317 AC is an ancillary product for use with the RASCOhybrid HMS system.

RASCOhybrid HMS317 is a solvent-free polyurethane injection resin system, with finely adjustable gel time, for use with a cement suspension. The hybrid system optimizes and enhances the performance of standard cement suspensions, thereby offering numerous additional benefits. Thanks to the efficiently matched polyurethane-based and cementitious materials, the hybrid mortar system undergoes a precisely controlled and tailored curing reaction. This serves to minimize material loss through washing-out during injection, thus offering twofold benefits: on the one hand, the injection operations proceed up to five times faster than with standard filling mortars. On the other hand, material consumption is more predictable given the low material loss even with high hydrostatic pressures.

USE

RASCOhybrid HMS317 AC is used whenever the standard gel time of RASCOhybrid HMS317 series needs to be shortened. This can also serve to counteract slower gel times caused by lower temperatures.

FEATURES

- purpose-developed for RASCOhybrid HMS317 series
- gel time very closely controllable
- maximum proportion 20% (by volume)
- can be added directly on site
- guarantees fast homogenization

Further product info

swiss safety center ISO 14001 certified system

swiss safety center ISO 9001 certified system

CE

RASCOR International Ltd.
Gewerbestrasse 4
CH-8162 Steinmaur / Switzerland
Phone: +41 (0) 44 857 11 11
www.rascor.com
info@rascor.com

RASCOR Construction Chemicals GmbH
Ratsgasse 6
D-97688 Bad Kissingen / Germany
Phone: +49 (0) 971 130 27 38
www.rascor.com
badkissingen@rascor.com

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TECHNICAL / PHYSICAL DATA

Supplied form	liquid
Material colour	transparent
Container type	canister
Container size *	4,8 ltr/5 kg
Hazardous goods/ADR	none
Application temperature	see technical data sheet for relevant RASCOhybrid HMS317 system
Storage/shelf life	12 months in original container, from +5 °C to +25 °C, in dark location

**Filling is controlled by weight balance. Volume details are indicative only and vary with temperature fluctuations. Further technical / physical data for the RASCOhybrid HMS C1 cement can be found in the respective data sheet.*

SUPPLY/ADDITIVES

Item no.	Product	Container	Contents
1113.3901.001	RASCOhybrid HMS317 AC	canister	5 kg
1113.3901.002	RASCOhybrid HMS317 AC	canister	20 kg

Grouting machines, equipment and accessories available on requestt

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APPLICATION/PREPARATION

RASCOhybrid HMS317 AC shall always be added to the A-component of the polyurethane mix. A maximum proportion of 20% (by volume) is recommended. Quantities exceeding this may have a negative impact on the end product. Very thorough mixing is required after addition of the accelerator. Use of a drill with mixing paddle is recommended.

The action of RASCOhybrid HMS317 AC is temperature-dependent and shall be determined for each specific application on the basis of preliminary tests. In addition to the ambient and material temperature, attention shall also be paid to the building fabric temperature.

GENERAL GUIDELINES / SAFETY NOTICE

Unused accelerated A-components shall be clearly marked with precise details of the proportions added.

Suitable protective clothing, gloves and goggles shall be worn. An eyewash bottle shall be kept at hand. For further information please look at the material safety data sheet.

CLEANING OF WORKING EQUIPMENT

As the injection product reacts with water, no parts of the working equipment shall under any circumstances be cleaned with aqueous cleaning agents. Either machine oil or, in particular cases, acetone-based rinsing or cleaning agents are recommended for cleaning all equipment and accessories that have come into contact with polyurethane. Please consult the manufacturer's instructions for the relevant pumps and equipment.

DISPOSAL

For details on how to dispose of the individual components, please consult the product safety data sheet. Cured material, in moderate quantities, may be disposed of with normal domestic waste.

Mixing video

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