

New fischer injection mortar FIS V Zero without hazard labels

Sustainability meets versatility

Safety requirements protecting people and nature are on the increase in every industry and all aspects of life. As a pioneer in the field of sustainable fixing solutions, fischer now offers the new injection mortar FIS V Zero with a patented formula free from hazard labels. The new product protects the environment as well as the health of those using the product and the buildings it is used in. In doing so, the versatile FIS V Zero achieves the same performance characteristics as other universal mortars.

Be it professional applications such as installing railings and post-installed rebar connections or DIY projects such as hammocks – the injection mortar FIS V Zero is suitable for all common chemical fastening applications. The new product combines a secure hold in conventional building materials with the highest health and safety requirements.

The innovative formula of the label-free universal mortar guarantees user-friendly and secure use with environmentally friendly application and disposal. Used cartridges can be discarded with the usual household waste, avoiding the costly disposal of hazardous waste. The FIS V Zero also requires less administrative work, because unlike other injection mortars, it does not require the shipping and handling of hazardous materials.

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Innovative formula protects people and planet

By replacing dibenzoyl peroxide and other substances classified as environmentally hazardous, sensitizing and eye-irritating, the FIS V Zero does not require a hazard label and the corresponding safety data sheet. Instead of this peroxide commonly used for radical curing bonded anchors, the product uses environmentally friendly substances and a new, patented curing mechanism, resulting in maximum protection of people and the environment. Thanks to its innovative formula, the mortar fulfils the highest requirements to maintain clean indoor air quality with VOC content and VOC emissions (Volatile Organic Compounds) as confirmed by the Eurofins Indoor Air Comfort Gold certificate. This makes the universal mortar ideal for closed rooms. The product is furthermore certified in accordance with the Nordic Swan Ecolabel, the official ecolabel of the Nordic countries which identifies products that are particularly environmentally friendly.

Flexible applications on the construction site

The new universal mortar has a wide range of applications, as the FIS V Zero has a European Technical Assessment (ETA) for fastenings in concrete and all conventional types of masonry as well as post-installed rebar connections and water-filled drill holes. The universal mortar can be used in any weather condition. By being simple to use in water-filled drill holes, it can also be installed in various conditions on the construction site. The approved installation temperature of -10 to 40°C allows the product to be used on the construction site all year round as well as for flexible applications by various trades. An in-house assessment furthermore confirms installation temperatures of up to -15 °C.

The FIS V Zero can be processed in the same manner as other injection mortars. The mortar is injected into the cleaned drill

hole into which the system component is inserted to fasten the attachment part in concrete or masonry. Options include the anchor rods FIS A and RG M in solid building materials, available in many different diameter versions (M8 to M24 in concrete and M8 to M16 in masonry). Variable anchoring depths allow it to be adapted to the application and load requirement in concrete. There are also internal threaded anchors for applications in concrete (RG M I) and masonry (FIS E). System components made of electrogalvanized or stainless steel (R) are available for indoor and outdoor applications. Together with the fischer FRA rebar anchors (stainless steel R), the FIS V Zero is ideal for restoration and renovation projects on reinforced concrete buildings.

fischer dispensers allow quick and easy processing of the injection mortar. Upon activating the dispenser, the two separately stored resin and hardener components are mixed and activated in the static mixer. Opened cartridges can be reused. The anchor sleeve FIS HK can additionally be used in perforated construction materials, which guarantees low mortar use with an optimum fit in the chambers of the perforated brick when inserting the anchor rod.

Image captions:

Image 1

An injection mortar without hazard labels: The new FIS V Zero shows how products can be developed and sold in a responsible and contemporary manner and offers maximum safety for people and nature.

Image 2

One for all: The label-free injection mortar FIS V Zero protects people and the planet and is also flexible, being suitable for all standard chemical fixing applications and achieving the same performance characteristics as other universal mortars.

Image 3

The FIS V Zero's advantages include its low pollution values based on safe ingredients and a new chemical curing mechanism.

Image 4

Focusing on the future of the earth: fischer is setting new standards in health and safety requirements with the universal mortar FIS V Zero. The patented formula combines secure and environmentally friendly applications with simple installation carried out in the same manner as other injection mortars.

Image 5

Great for fixings in inhabited rooms: The FIS EM Plus protects the environment and the health of craftsmen and building occupants.

Image 6 - 8

Sustainability without limited applications: The FIS V Zero enables safe, non-harmful processing. The approved range of applications includes fastenings in concrete, solid and perforated masonry, post-installed rebar connections and water-filled drill holes.

Images: fischer

The fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 872 million euro in 2020 with a worldwide staff of 5,200 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and LNT Automation

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

LNT Automation develops and manufactures custom electronic solutions. The company also develops, produces and distributes custom and capacitive touch systems such as multi-touch solutions made of glass and the corresponding controller units. All electronics are manufactured in-house.

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