



Technical Data Sheet

INDUCRET®-VK-2000

Art.-No. 5 50006

Easy to spread, mineral-based grouting adhesive for pavers

Properties:

INDUCRET-VK-2000 is an easily spread, mineral-based pointing adhesive for pavers with the following properties:

- cement-based
- chloride free
- pumpable
- easily spread
- insensitive to cracking
- water impermeable
- resistant to frost and freeze-thaw cycles
- rapid curing
- early cleaning possible
- ready for loads quickly
- resistant to oil and petrol.

INDUCRET-VK-2000 guarantees a strong adhesive bond to the paved finish of stone quality: conforming to TL Min.StB and DIN EN 1342 and cleaned pore deep.

Areas of application:

INDUCRET-VK-2000 is used as adhesive jointing of paved surfaces in heavy duty areas such as:

- roadways
- bus stops
- crossings
- in the track vicinity
- market places and parking areas
- waste water channels.

INDUCRET-VK-2000 is a component of the INDUCRET-VK-Monolith system.

Technical Data:

Basis:	PCC (Paver compacted concrete) mortar
Particle size:	0 – 1.0 mm
Wet density of fresh mortar *:	approx. 2.18 kg/dm ³

Water demand:	approx. 14% = 3,5 l per 25 kg bag
Pot life *:	approx. 40 minutes
Application temperature *:	minimum +5 °C to maximum +30 °C (construction components and ambient temperature)
Compressive strength (DIN 1164) *:	26 N/mm ² after 24 hours 38 N/mm ² after 3 days 50 N/mm ² after 7 days 59 N/mm ² after 28 days
Flexural strength*:	4.7 N/mm ² after 24 hours 6.8 N/mm ² after 3 days 8.6 N/mm ² after 7 days 9.1 N/mm ² after 28 days

(*): Construction components and ambient temperatures below +20 °C delay the setting time. Construction components and ambient temperatures above +20 °C accelerate the setting time.

Cleaning:

Thoroughly clean tools with water after use.

Packaging:

25 kg bags. Other pack sizes on request.

Storage:

9 months when stored dry and free from frost above +10 °C in the original closed packaging. Used opened packaging promptly.

Substrate /

load bearing base and stone quality:

The sub-base to be treated (load bearing base and bedding adhesive) must be able to accommodate the expected traffic load.

For heavy vehicular traffic (construction class II to III) INDUCRET-VK-1000 is to be used as the bedding

INDUCRET®-VK-2000

adhesive. For the purpose of stability of the individual pavers the joints should be completely filled to the depth of the stone. Prior to application of the grout, the joint void should be pre-wetted so that at the time of pouring the grout the stone's porosity is greatly reduced. When pre-wetting avoid the formation of puddles or standing water in the joint.

Product preparation:

INDUCRET-VK-2000 is delivered ready for use and only requires mixing with water. Fill the prepared forced paddle mixer, e.g. Collomatic 65/2-K-3, Utz-Mischer or other, with 14% water (relates to 3.5 litres per 25 kg bag) leaving out a residual amount, add the bag contents and mix for approx. 3 minutes. Add the remaining water and mix for a further 2 minutes. If it is necessary to use a screw-feed mixer (e.g. Type: PFT Horizontal mixer, type: HM 2002) the water dosage must be set up beforehand. The paving adhesive grout is immediately ready for use.

Application of the adhesive grout:

Spread the grout over the surface and slowly flood the joints using a stable rubber squeegee or similar. Always pour subsequent mixes onto the previously flooded paved area in order to flood neighbouring joints. It may be necessary to lightly to poke the joint to avoid air pockets. Thoroughly strike off excess mortar immediately diagonally to the joint direction.

Cleaning the paved surface:

- 1) Cleaning with a broom: after the applied joint adhesive has stiffened, spray the area with water and pre-wash with a medium hard broom. After waiting for 10 minutes wash once again intensively. Afterwards keep the grouted paved area dampened for 36 hours (at +20 °C and 65% relative humidity) in order to ensure a perfect cure.
- 2) Cleaning using a sponge cleaning machine: e.g. with a "Schwammfix". Afterwards keep the grouted paved area dampened for 36 hours (at +20 °C and 65% relative humidity) in order to ensure a perfect cure.

Material consumption:

The joint depth is to be determined from the stone thickness minus 20 mm (see application advice for INDUCRET-VK-1000). Further joint dimensions result from the appropriate standards used for the installation of pavers and slabs.

Important advice:

- Protect against rain by suitably covering.
- Impede early water evaporation by covering with damp textiles or polythene (thickness/quality: min. 500 g/m² area weight).
- At temperatures above +20 °C dampen the textiles with water, as necessary, frequently during the day.
- With rough paver surfaces a cement film may remain after grouting. Trial areas should be created. Clean containers, tools etc. with water immediately. Only mechanical cleaning is possible once hardened.

Please observe a valid EU safety data sheet.

GISCODE: ZP1