

DATASHEET

Okalift SuperChange Fabric

Interchangeable fabric system with uncoupling and crack isolation properties



- separation capable, 2-layered interwoven Polyester fabric, with a high tensile strength
- for easy renovation/makeover of commercial and residential walls and floors
- ideal for: ceramic, natural stone tiles, resilient and engineered hardwood flooring
- with uncoupling and crack isolation properties
- for interior installations
- for installation over existing coverings

PRODUCT DESCRIPTION

The dual-layered interwoven **Okalift SuperChange Fabric** can be applied to all sound, stable, absorbent and non-absorbent substrates such as: cement screed, calcium sulphate screed as well as radiant heating, plaster, drywall, porous concrete, old ceramic surfacing, terrazzo, drywall constructions, plaster board, sufficiently stable chipboard constructions (only in dry environment), pre-cast concrete units and concrete cast situ products.

For uncoupling and reducing stress between the coverings and substrate. Recurrent shearing and movements will thus be compensated for as much as possible. Suitable for stable substrates with low shrink and crack tendencies such as: concrete or screed with existing, limitable shrinkage cracks without separated plane changes in the same area, etc.

For exposed areas such as: livable areas, exhibition places, car dealerships, trade shows, show rooms, hotel lobbies, apartment buildings, rental properties, stores. For hard surfaces such as: tiles, natural stone, engineered flooring. The innovative **Okalift SuperChange System** allows for quick and painless renovation with literally no dust. Even drywall substrates can be installed over without being damaged after removal of the existing covering material.

When renovating, the two layers will separate and the adhered covering product will be removed in the

process. The new covering is being installed again directly onto the newly installed **Okalift SuperChange Fabric**. **Okalift SuperChange** can be installed over existing, sound and stable: ceramic tiles, natural stone tiles, well bonded VCT,

SUBSTRATE PREPARATION

The substrate must be checked prior to the installation and conform in accordance to the contracting rules for the award of public contracts (VOB), Section C, DIN 18365, 18356, 18332, 18352 as well as the quality of the technology. Substrates must be to be pre-treated according to the current Federal Association for Screed and Surfacing (BEB) information sheet entitled "Evaluation and Preparation of Sub-Surfaces" as well as TKB information sheet 8. Depending on the type of substrate, the floor covering and the resulting exposure make it ready for covering using suitable Kiesel self leveling compounds and recommended primer. The technical information sheets for the products also used should be observed. A system design must be guaranteed.

PROCESSING

As a Interchangeable System the **Okalift SuperChange Fabric** is attached by using the system-related **Okalift SuperChange Adhesive** with the spreading trowel provided with the fabric roll, according to the details in the current technical information sheet in connection with TKB B6. For cutting **Okalift SuperChange Fabric**, we recommend the Robuso rechargeable universal cutter or special fabric material cutter, type KAI 7250. The individual tracks must be blunted. Do not overlap fabric or create gaps between. The **Okalift SuperChange Fabric** must be completely smooth when attached to the substrate

The **Okalift SuperChange Fabric** should be applied to walls like wallpaper and **Okalift SuperChange Adhesive** should be smoothed out towards the edges using a float side of the trowel from the middle to the edges. Full adhesive transfer must be present.

After the installed **Okalift SuperChange Fabric** adhesive has dried (about 12 hours, dependent of the absorbency of the sub-surface as well as possible air conditioning), the new coverings can be applied. A base coat onto the **Okalift SuperChange Fabric** is generally not required.

Suitable surface materials for this are ceramic surfaces of stoneware (for wall areas), stone and porcelain stoneware with a thickness of > 6mm. For natural stone surfaces, only use appropriate, strong types (i.e. granite or gneiss) with a minimum thickness of 15mm and a breakage resistance of 1500 N. Minimum tile dimensions 5cm x 5cm. A maximum deflection of L/300 is acceptable for deflections in surface constructions. If necessary, take a look at the Kiesel installation techniques.

Install tiles on floor areas and in commercial areas with low to moderate stress with a breaking force of at least 1500N and natural stone surfaces with a minimum thickness of 15mm (breaking force of at least 1500N). Use only Kiesel products system to ensure proper installation and its procedures. Full mortar transfer or back-buttering method is required.

As a result of the uncoupling, crack-bridging properties, it is best to account for damages with heavy impact/stress loads on tile and natural stone surfaces in the worst case scenario. For tile thickness 10.5 mm with the aforementioned breakage resistance, the damage/break characteristics correspond to that of a fixed bond despite the decoupling characteristics. Should tiles with a minimal thickness or lower breakage resistance be used, the possibility of breakages will be higher. If in doubt contact Kiesel technical department. The system-based waterproofing membrane should be applied for application in areas prone to moisture in

moisture demand class A0.

Building control joints, separation joints must be treated with technical regulations and shall not be covered. This means that the **Okalift SuperChange Fabric** must be congruently separated. Compact field sizes (width to height ratio 2:1) should be aimed for. The area size should be divided into sections of approx. 40 m² and max. 8m side length. These expansion joints can be properly and professionally closed with elastic joint filler, e.g. **Oka Silicone**, or other elastomeric fillers after the covering installation has been completed. Border and expansion joints must comply with the effective technical rules in return and be measured sufficiently to eliminate stress related factors.

For levelling work over the **Okalift SuperChange Fabric** (for engineered flooring as well as soft, elastic floor surfaces or tiles <= 5cm x 5cm) use **Servoplan P 200 Plus** with the addition of **Kiesel reinforcement fibers** of at least 3 to max. of 10mm coat thickness. After the appropriate drying time, installation of suitable covering material may precede using designated Kiesel mortars.

Installation over self-levelled substrates

Laminate flooring as 2-piece prefabricated engineered flooring (DIN EN 13489) with individual pieces up to 60cm and 3-piece prefabricated engineered flooring (DIN EN 13489) in board form at max. 250cm, plus mosaic parquet flooring (DIN EN 13488) installed in a pattern, which allows the movement of parquet flooring in various directions, e.g. herring or waive basket.

Textiles as well as all elastic surfaces can be installed in a traditional way over levelled surface with the respective, suitable **Okatmos® adhesive**.

Direct installation without self-levelling compounds.

Only glue 3 or more ply prefabricated engineered flooring (DIN EN 18489) in board form onto the **Okalift SuperChange Fabric**, at max. 22cm wide and board length of max. 250cm with **Bakit PU-P** or **Bakit ESP**. Use the same adhesive for **Okalift SuperChange Fabric** and engineered wood installation.

Expansion profiles should be attached to floor and wall surfaces when using **Okalift SuperChange Adhesive** before applying the **Okalift SuperChange Fabric** to the existing substrates. For solid and sound surfaces such as tiles or natural stone, these can also be attached to the **Okalift SuperChange Fabric** using the respective profile system products. For application on stairwells and stairs (detached homes only), profiles should always be attached to the substrate. When using self levelling compounds over the **Okalift SuperChange Fabric** the profiles must be installed with **Oka Cryl** product.

System for Removal and future covering replacement

On solid, old surfaces such as, for example, ceramic tiles, natural stone and artificial stone surfaces plus well bonded VCT surfaces, the **Okalift SuperChange System** can be applied as a means of future removal and replacement. Old floor surfaces must be free from cleaning materials and possess an extremely good adherence to the existing substrate. If necessary, clean with the basic cleaner **Okamul GR**.

Apply the **Okalift SuperChange Fabric** with **Okatmos® EF 12** adhesive using the TKB A2 trowel as de-scribed above for carrying out the "Removal System". After the adhesive is completely dry according to the above mentioned instructions, carry out further surface application. After the end of use, remove the surface with the first fabric layer and subsequently soften the surplus adhesive on the second/fabric layer beneath with warm water with added basic cleaner **Okamul GR**, and remove.

Changing coverings

Covering changes should be carried out simply, quickly and free from dust, in comparison to conventional, typical transfer, in which both the **Okalift SuperChange Underlay Fabric** layers are separated from one another. For this, the existing top surface should be released to a desired point and the two pieces should then

be separated from one another using the Vogt-Hammer (Vogt Baugeräte GmbH, Kango gun with special flat/wide/thin blade attachment) in conjunction with the Vogt Breaker. Damage to the substrate will be avoided in this way in comparison to conventional methods.

Afterwards, by remaining diligent, the pieces of **Okalift SuperChange Underlay** that still remain should be assessed for loading capacity and, if necessary, further partial application or removal.

SPECIFICATIONS

Color	white
Application	interior, walls and floors
Roll width	50 cm / 100 cm
Roll length	60 m $\hat{A}$ $\pm$ 1 m
	(Production conditions can consist of two different path lengths).
Weight	ca. 210 g/m ²
Application temperature	+15 °C to +25 °C (substrate) (59 °F to 77 °F)
Fire classification	classification according to DIN EN 13501-1, Euroklasse E
Floor heating system	suitable
Walkable* / ready for grouting*	Installation of covering and self leveling compound: After approx. 12 hours (depending on the absorbency of the substrate and the climatic conditions)
Suitable for chair castors (DIN EN 12529)	yes
Crack-bridging properties	< max. 4 mm cracks in substrate without vertical offset
* At 68 °F (+20 °C) and 65 % relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.	

IMPORTANT NOTICE

Primers: Okatmos® EG 20, Okatmos® UG 30

Change System:

Okatmos® EF 12, Okamul GR

Okalift System:

Okalift SuperChange Adhesive, Okalift SuperChange Underlay

Self levelling compounds:

Servoplan P 200 Plus with Kiesel Reinforcement Fibres

Waterproofing membranes:

Okamul DF, Servoflex DMS 1K Plus SuperTec, Servoflex DMS 1K-Quick SuperTec

Installation of Tiles and Natural Stone

Servoflex-Trio-SuperTec, Servoflex-Trio-Quick SuperTec, Servoflex K-Plus SuperTec, Servoflex K-Quick SuperTec, ServoStar® 2000 Plus Flex, Servolight S2 SuperTec, ServoStar® 3000 Flex white (with Okamul DZ 18 if necessary), ServoStar® 4000 Flex (with Okamul DZ 18 if necessary)

Grout:

Servoperl royal, Servoperl royal quick, Servoflex F, Servofix HBF SuperTec, Servoperl 10, Oka Color

Elastic Joint Filler:

Oka Cryl, Oka Silicon, Oka Silicon-M

Engineered Flooring:

Bakit EK new, Bakit ESP, Bakit PU-P

Installation of Textile and Elastic Floor coverings:

Okatmos® star 100, Okatmos® star 110, Okatmos® star 120, Okatmos® star 600, Okatmos® EN 30, Okatmos® megaStar

Laboratory Report MPA Stuttgart, Otto-Graf-Institut

No. 9027016/Ki-14/PB2/Sgm	Adhesive assessment of Kiesel Okalift SuperChange System on concrete sub-surface
No. 9027016/Ki-14/PB3/Sgm	Research into slipping of Kiesel Okalift SuperChange Systems in vertical application
No. 9027016/Ki-14/PB4/Sgm	Research into displacement behavior of floor surfaces with Kiesel Okalift SuperChange System flooring system with heated screeds
No. 9027219/Ki-14/PB6/Sgm	Calculation of tensile strength in bending
No. 9027219/Ki-14/PB7/Sgm	Falling ball test on floor surfaces with/without Kiesel Okalift SuperChange System
No. 9027219/Ki-14/PB9/Sgm	Loading test on tile surfaces, stoneware mosaic 5cm x 5cm, with Kiesel Okalift SuperChange System
No. 9027016/Ki-14/PB10/Sgm	Adhesive assessment of different installation products/primer compounds on Kiesel Okalift SuperChange System
No. 9027219/Ki-14/PB11/Sgm	Crack-bridging assessment on tiled surfaces, fine stone tiles 30cm x 30cm, with Kiesel Okalift SuperChange System
No. 9027219/Ki-14/PB12/Sgm	Loading tests on tiled surfaces, glass mosaic 2cm x 2cm, with Kiesel Okalift SuperChange System

No. 9027219/Ki-14/PB13/Sgm	Crack-bridging tests on tiled surfaces, stoneware mosaic 10cm x 10cm, with Kiesel Okalift SuperChange System
No. 9027291/Ki-14/PB/Sgm	Research into displacement behavior of wooden surfaces under the Kiesel Okalift SuperChange System flooring system in various conditions

Laboratory Report TFI Aachen

No. 440062-02	Chair castor assessments in accordance with EN 425:2002, with various textures
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PACKAGING

Product description	Item no.	Item no.
Rolls of 20 linear metres, 125 cm width (25 m ²)	64002	4015705640020

The aforementioned information, especially the proposals for processing and utilizing our product, is based on our knowledge and experience. We recommend that you carry out your own tests in every case to ensure the suitability of our products for the intended process and processing purposes because of the different materials and the working conditions which lie beyond our area of influence. No liability can be derived from this advice or from verbal advice, unless we are responsible for (criminal) intent or gross negligence in this respect.

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