

EasyClean-Pan® / EasyTape 4

KL 25 JOINT SEALANT

DATA SHEET

Product description

Area of application	KL 25 has been developed for use in "jointless" cold storage and wet rooms with GRP panel walls and ceilings (EasyClean-Pan® system) and is also ideally suited for jointing of GRP panels in the GRP direct mounting system (EasyTape 4). The joint sealant is physiologically harmless, extremely hard - therefore no breeding ground for molds - but it is viscoelastic and has a very high adhesion. These properties are ideal for use in grouting in rooms with high hygiene requirements due to wet cleaning.
Advantages	<ul style="list-style-type: none"> ■ When used as intended and fully hardened: resistant to yellowing and discoloration (not an epoxy resin), UV resistant ■ Extremely good viscosity. Also extremely well-suited for overhead work ■ Creamy texture, therefore very easy to work with and smooth ■ No shrinkage on hardening as a polyaddition reaction between both components takes place during hardening ■ Solvent-free, no inherent odor ■ Extremely high level of adhesion on various substrates

Product data

Colors	White, similar RAL 9016 (other colors available upon request)
Form of supply	Double cartridges, 400 ml (see picture) + mixing tube
Storage	The filler can be stored in the sealed original container for a maximum of 12 months. If a cartridge is opened and re-sealed, the sealant can also be used up to 12 months after manufacture.



Application

Requirements	<p>Suitable cartridge gun</p> <p>ECP recommends the use of a pneumatic cartridge gun (see picture). This can be supplied if required.</p> 
Joint Surface Preparation (EasyTape 4 only)	<p>For joint compound of directly assembled GRP panels, the mounting surface in the joint area must be treated in such a way that a 3-flank adhesion of the joint sealant is avoided. For this purpose, the joint subsoil is to be equipped with a separating layer (for example, simple adhesive tape strips). This separating layer ensures that the hardening joint sealant does not form a compound with the underlying rigid surface without impairing its compound with the adjacent flanks of the GRP panels.</p>
Surface preparation	<p>The surface must be sound, dry, clean, as well as free from grease, dust and any coating.</p> <p>We recommend cleaning the surface (e.g. with a damp cloth) before applying the sealant. In general the greatest adhesive power is achieved on roughened or milled substrates.</p> <p>The groove must have a sufficiently large volume to achieve even and correct through-hardening and rigidity (approx. 4 mm wide x 5 mm deep).</p> <p>Both sides of the groove should be covered with adhesive tape to act as protective strips which are used to remove any excess sealant after the joint has been sealed. If the grouting is not done immediately after installation, the edges of the adhesive tapes must be protected from dust.</p>
Material preparation	<p>The cartridge should be at room temperature (approx. 18 – 23°C) in order to ensure easy application and full hardening. Heat accelerates and cold delays hardening. Using at material and ambient temperatures <15°C ensures no appropriate result!</p> <p>Place the mixing tube on the upper side of the cartridge and attach with the white plastic fastener.</p>

Procedure

IMPORTANT:

Press out 10 cm of the material with only **slight** pressure (length of mixing tube, approx. 15 to 20 grams) and **discard**. It is only in this way that you can ensure that both components are thoroughly mixed. Adopt exactly the same procedure after **every** change of mixing tube. The mixing tube must be replaced if the ejection process is interrupted for more than 5 minutes (20°C).

Inject a generous amount of the KL 25 joint sealant evenly into the joints, completely filling the groove immediately and draw the grout float along both strips of adhesive tape applied at the factory and smooth. Do not use water as a smoothing agent! It is best to draw the grout float in one flowing movement in order to achieve a perfect appearance.

Use a cloth to remove the excess joint sealant which has collected on the tool during the grouting and smoothing process.

Remove the adhesive strip immediately after you have completed smoothing and allow the joint sealant to harden.



If very large areas are treated or if temperature differences are high, the occurrence of individual tension cracks cannot be completely ruled out. Such cracks are not a defect as they help the system to release tension. These cracks can be filled again with KL 25. This may also be done during ongoing production. KL 25 is harmless and odorless.

Processing time

Because of the influence of temperature, the processing time can vary widely. Both the room temperature and the temperature of the sealant play an important part (please also note the "Material Preparation" section). The dimensions of the cross section also influence the reaction time of the two-component material (large cross sections increase the speed of the reaction).

The following information provides a general view of the times which should be allowed when using KL 25 for standard groove widths (indicative figures).

Temperature	16°C	24°C	27°C
KL 25 smooth-able up to	13 min	6 min	5 min
KL 25 firm after	31 min	14 min	9 min
KL 25 touch-dry after	24 h	5 h	4 h

The times commence when the KL 25 is ejected from the cartridge (please allow for the time taken in applying the sealant). Complete hardening of the joints should be completed after 48 to 72 h.

Storage after use and re-use	Leave the mixing tube on the cartridge during storage of started cartridges. Store at room temperature (approx. 18 - 25°C). Do not change the mixing tube until the product is re-used. At this time clean the opening of the cartridge before use. Discard the first 10 cm of the material in order to ensure that you have the correct mixing ratio.
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Warrenty

KL 25 is not a maintenance joint according to DIN 52460. We guarantee the durability of KL 25 for 5 years from the date of installation in connection with our GRP products. Yellowing may occur in areas of smoke rooms. These do not constitute a defect in relation to our guarantee. Compliance with our processing instructions is a prerequisite for this guarantee. If you have applications which go beyond the usual field of application, please contact us.
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Legal notice

The information above is provided to the best of our knowledge and belief. However it is to be considered only as non-binding information. Nevertheless this advice and the instructions do not release you from your own verification of our product with regard to its suitability and functionality for the intended procedures and use. We have absolutely no influence on the on-site situation and processing or on the substrate and geometry of the groove. Third-party claims for damages are excluded. The information contained in this data sheet is valid at the time it was printed. Owing to the continuous development of machinery and materials we retain the right to change the formula without prior notice. The above-mentioned information is provided as a guideline for the various possible uses of the product. It is the responsibility of the consumer to assess the suitability for specific applications. All the recommendations, statements and technical data in this data sheet are based on tests which we consider to be accurate and reliable. However, the accuracy and reliability of such tests is not guaranteed and may not be construed or interpreted as a guarantee. The consumer should rely on his own information and tests as far as determining the suitability of the product for the intended use is concerned and bears all the risks and liability arising from the use of the product. The sole responsibility of the seller and manufacturer is to replace that part of the manufactured product which is demonstrably defective. Neither the seller nor the manufacturer is liable to the purchaser or any third party for any injury, damage or loss which is caused directly or indirectly by the use of the product. Recommendations or statements are not binding for the manufacturer or seller unless they have been confirmed in writing and signed by the management of the manufacturer.