

WKT- Sealing Compound

APPLICATION INSTRUCTIONS

General Information

- (1) During the application of WKT Sealing Compound the surrounding temperature should be between +5°C and +40°C. Lower temperatures lead to a prolonged curing time of both the sealant and especially of the primer, thus increasing the risk of soiling the joint. Higher temperatures – as may be caused by direct, intense sunlight - can interfere with the curing of both the primer and the sealant.
- (2) WKT Sealing Compound owes its extraordinary longevity and elasticity among other factors to a silicone component. On surfaces which are to be painted after the sealing work, this may lead to disturbances in the performance of the paint. Therefore special attention should be paid to cleanness while working with WKT Sealing Compound (e.g. by using a vacuum cleaner when sanding). If possible, any painting work on adjoining surfaces should be completed prior to the sealing work on the wooden deck.
- (3) It is very important to make sure that during the entire caulking work the wood is kept dry!

Preparatory work

- (1) Prior to the caulking work, the wooden deck should be sanded well, so that the planks all lie on one level and show no steps. The same applies to the bottom of the joint, as far as possible.
- (2) Each wooden plank should preferably be sunk along both sides by half of the desired joint width, so that the bottom joint meets in the middle (please see drawing).
- (3) The choice of the optimum width and depth of the joint depends upon various factors, e.g. width of the planks and type of wood – if uncertain, please consult us.
- (4) Any loose bits, e.g. wood shavings or splinters, especially on the joints' flanks, must be removed. The wood in the joint area must be dry and clean. It must not be oiled before the sealing work has been completed.
- (5) In most cases it is for technical reasons advisable to obtain adhesion only to the flanks of the joints. This can be achieved by placing a strip of bond-breaking tape on the bottom of the joint. The tape should cover the bottom of the joint completely and must not stand up against the flanks of the joint.

Priming with *WKT Primer P1*

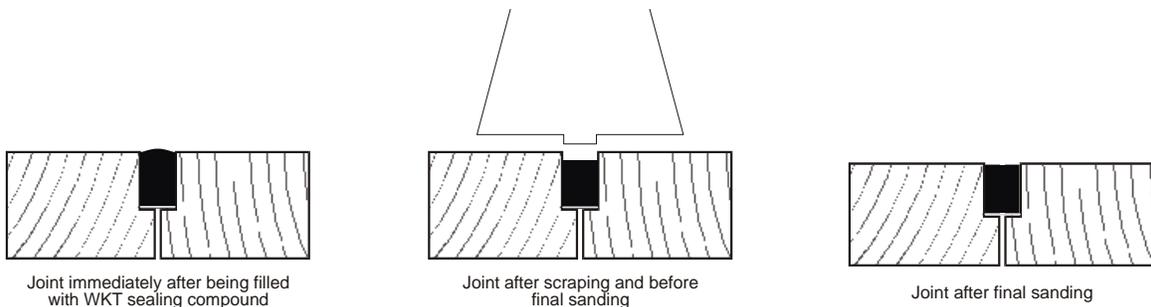
- (1) ***WKT Primer P1*** serves to enhance the adhesion of ***WKT Sealing Compound*** to the wooden joint (and to many other surfaces e.g. GRP, epoxy, aluminium*). Steel/iron surfaces must be coated with an anti-corrosive paint, which must be allowed to dry completely before ***WKT Primer P1*** is applied.

*for stainless steel and brass we recommend our ***WKT Primer P2*** (also suitable for other metals); for PUR, PVC and many other synthetics we recommend our ***WKT Primer P3***

- 2) The joint's flanks must be covered thoroughly with **WKT-Primer P1**. To ensure this, we recommend to apply the primer twice allowing each coat to dry completely. Depending on the surrounding temperature, this will take at least one hour for the first and at least 4 hours for the final coating.

Application of WKT-Sealing Compound

- (1) Remove the ring-pull lid at the bottom of the cartridge.
- (2) Pierce the membrane of the cartridge's nipple.
- (3) Screw the nozzle onto the cartridge. Cut the tip of the nozzle diagonally according to the width of the joint.
- (4) Place the cartridge into a manual or pneumatic gun and extrude the sealant gently, filling the joint from bottom to surface.
- (5) Avoid any impurities through **WKT Sealing Compound** and **Primer P1** on surfaces which are to be painted later on.
- (6) For economical reasons, but especially for technical reasons, the joints should be scraped with a special spatula within 10 minutes after the application of **WKT** (please see drawing). Thus the joint is controlled once more and any fault (e.g. bubbles) may be corrected. At the same time a slightly indented surface of the sealing compound is achieved, which protects the caulking from mechanical stress, such as by a sanding machine. If the work is done on a clean deck, the material that collects on the spatula may also be used, for instance for the short joints. As this material has already been in contact with air and quickly begins to form a skin, it is essential to use it immediately.



Curing of WKT Sealing Compound

Very soon after its application, **WKT-Sealing Compound** begins to vulcanise. (Artificial and extreme heat do not accelerate but rather interfere with this process). As vulcanization is primarily effected through the air, the surface of the joint must not be sealed off - e.g. by an oil film - too soon. Also, the joints must not be exposed to mechanical stress before the vulcanisation process is completed (4 - 7 days, depending on the depth of the joint).

Storage

Cool and dry. Shelf-life under adequate conditions >12 months.