TEROSON

Technical Data Sheet

TEROSON AD KDS

(former TEROTECH KDS)

09.12.2019

Special polymer for the universal bonding of sealing strip systems in the area of window/facade installation and metal construction

PROPERTIES

- UV-resistant
- Gap-bridging
- Can be used down to -5 °C with a layer thickness up to 20 mm
- Strip position easily adjustable in the fresh adhesive bed
- Adhesion on most rubber grades – also on EPDM (preliminary tests required)
- EMICODE EC 1 Plus certified
- Product and manufacturer's declarations available on request according to DGNB, LEED, BREAM
- Very well suited for the MINERGIE-ECO standard (complies with 1st priority ECO-BKP)

POSSIBLE USES

TEROSON AD KDS can be used for the following applications:

- For bonding sealing strips, e.g. TEROSON FO 3, to the building envelope
- For bonding sealing strips, e.g. TEROSON FO 3, to the window/facade element
- For bonding TEROSON FO 150 FOIL-TACK M+S and TEROSON FO KSK M+S on uneven substrates
- For bonding plasterable sealing strips, e.g. TEROSON FO 1 / 50 SK FOIL-TACK
- Suitable for bonding EPDM strips/membranes
- Suitable for sealing penetrations, e.g. cable ducts, threaded rods etc. with the help of sealing strips TEROSON FO 3, FO 150 FOIL-TACK M+S, FO KSK M+S

TEROSON AD KDS is a gun-applied 1-component adhesive based on MS polymer which rapidly cures on contact with atmospheric moisture. The process of curing and skin formation can be accelerated by increasing the temperature and air humidity.

SUBSTRATE PREPARATION

The edges of the joints to be sealed must be dry, clean, load-bearing and free of dust, grease or other substances that may impair adhesion. TEROSON AD KDS adheres without primer on window/facade elements and substrates like sheet metal (raw, degreased, phosphated, hot-dip galvanized, topcoated), stainless steel, brass, aluminum (raw, anodized and lacquered), PC, ABS, EPDM (preliminary tests required), PA and rigid PVC. The use of TEROSON PR PRIMER P800 improves the adhesion of TEROSON AD KDS on mineral substrates such as concrete and

plaster of mortar groups PII and PIII. Due to the great variety of coating systems and materials available on the market, we always recommend carrying out your own tests.

APPLICATION

Depending on the structural conditions, it may be better to fix the sealing strips with TEROSON AD KDS to the building envelope than using self-adhesive sealing strips. The pasty consistency and levelling properties of the adhesive offer a number of advantages, for example

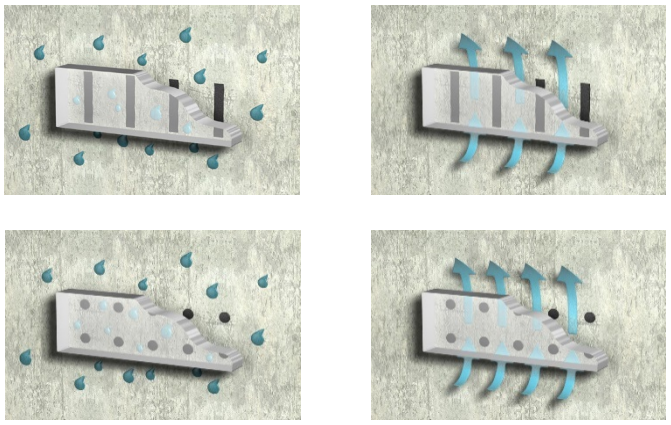
- on very rough substrates to ensure 100 % water-tightness (e.g. in the lintel area)
- when, due to structural conditions, It is not possible to mold the sealing strip closely to the surface.

TEROSON AD KDS can be used down to an air and substrate temperature of -5 °C. At temperatures below +5 °C keep in mind that curing of the adhesive and sealant paste will be delayed. Apply strands of the paste using either a manual or compressed air gun (air pressure approx. 0.5 to 5 bars) to the substrate. Afterwards, press the sealing strip to be fixed into the paste layer which must still be fresh and skin-free. Roll the strip over with a pressure roller. On very uneven substrates, TEROSON AD KDS can be used to seal the upper edge of the sealing strip, e.g. TEROSON FO 3, against water penetrating from behind.

PLEASE NOTE

Only apply as much TEROSON AD KDS as can be covered with sealing strip before start of skin formation. To ensure reliable adhesion of the strip, the adhesive-covered area must have a minimum width after pressing the strip home. In the case of TEROSON FO 3, a min. width of 30 mm and a layer thickness of 1 mm are sufficient. When bonding other sealing strips, we recommend using a min. width of 50 mm and carrying out a test adhesion.
If adhesive paste is squeezed out from under the strip edges, it should be smoothed over on horizontal surfaces to provide additional sealing.
When sealing around penetrations, the strips should be cut in crosswise depending on the size of the penetration. After that, fold the strip corners up and inject the adhesive into the hollow layer underneath the strip. Next, fold the strip corners back into the adhesive and seal the corners above the strip with a generous layer of TEROSON AD KDS. Depending on the type and size of the penetration, fix an additional piece of strip over the opening.

Use of TEROSON AD KDS as adhesive for standard bonding applications



If the adhesive is applied either in spots or strands (see figures above), no moisture can accumulate and the curing process is accelerated by the "stack effect".
Since the structural conditions may vary from site to site, the correct and successful use of our products is beyond our control. In case of questions, you should therefore contact one of our TEROSON application engineers for advice before start of bonding work.

CLEANING

Immediately remove residues with suitable wipes or tissues, e.g. Tangit cleaning wipes. After curing, the adhesive can only be removed mechanically. Where appropriate, the necessary precautions must be taken.

SUSTAINABLE BUILDING

Product declarations and manufacturer's declarations can be issued upon request for this product.

These correspond to the requirements of common certification and rating systems, such as e.g. DGNB, LEED, BREAM... and are used in the evaluation of sustainable buildings.

STORAGE / SHELF LIFE

TEROSON AD KDS can be stored for 12 months in the original packaging in a cool and dry place, ideally between +10 °C and +25 °C.

Use up opened bags as soon as possible.

PACKAGING

Carton with 16 tubular bags of 570 ml each

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TECHNICAL DATA

TEROSON AD KDS

Material base:	silane-crosslinking polymer
Curing:	by atmospheric moisture
Consistency:	pasty
Content of the tubular bag:	570 ml
Odor:	odorless
Color:	black
Density:	approx. 1.5 g/cm³
DIN 53217, part 2:	
Shore A hardness	approx. 24
ISO 868, (Durometer A)	
Skin formation:	approx. 20 min. (at +20 °C)
Application temperature:	-5 °C to +40 °C
Curing rate:	2 mm/24 hrs. at 23 °C and 50% rel. air humidity
Temperature resistance:	-40 °C to +100 °C
Permissible total deformation:	approx. 25 %
Tensile strength (DIN 53504):	approx. 0.9 MPa
Fire behavior (DIN EN 13501-1):	class E
Application temperature (air / substrate):	-5 °C to +40 °C
Adhesive layer thickness:	2-20 mm
Volume change (DIN 52451, part 1):	< 2 %

DISPOSAL

Only return the completely emptied packaging for recycling.

Dispose of hardened product residues as household-type industrial waste or in a container for construction site waste.

Non-hardened product residues must be taken to a collection point for hazardous waste.

European Waste Code for TEROSON AD KDS (EWC): 080409

CERTIFICATES

GEV-EMICODE EC 1 PLUS sehr emissionsarm

WINTeQ System
Institute-tested quality by Teroson

Bewertung eco 1 eco-bau

Component testing

Test institute:	Ift (Institut für Fenstertechnik)
Test report no.:	105 30839 R2

eco-bau assessment

Test institute:	eco-bau, Zürich
Test report no.:	201609.833

Neben den Angaben in diesem Merkblatt sind auch die entsprechenden Regelwerke und Vorschriften verschiedener Organisationen und Fachverbände sowie die jeweiligen lokalen Normen für die herzustellende Leistung zu beachten. Alle Angaben beziehen sich, sofern nicht anders vermerkt, auf eine Umgebungs- und Materialtemperatur von +23 °C und 50% relative Luftfeuchte. Bei anderen Klimabedingungen sind Verkürzung bzw. Verzögerung der Erhärtung und die daraus resultierenden Konsequenzen zu beachten.

Wegen der unterschiedlichen Materialien und der außerhalb unseres Einflussbereichs liegenden Arbeitsbedingungen empfehlen wir in jedem Falle ausreichende Eigenversuche, um die Eignung unserer Produkte für die beabsichtigen Verfahren und Verarbeitungszwecke sicherzustellen. Eine Haftung kann weder aus diesen Hinweisen, noch aus einer mündlichen Beratung begründet werden, es sei denn, dass uns insoweit Vorsatz oder grobe Fahrlässigkeit zur Last fällt. Mit dem Erscheinen dieses Technischen Merkblatts verlieren alle vorherigen Ausgaben ihre Gültigkeit.
Gefahrenhinweise, Sicherheitsratschläge und Transportkennzeichnungen finden Sie in unserem Sicherheitsdatenblatt.

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