



## TEROSON AD 2100 MS

August 21

**Flexible 1-component assembly adhesive for use in metal, façade and window construction (MS polymer®)**

### PROPERTIES

- High initial tack
- No need for sanding the surfaces to be bonded\*
- Suitable for indoor & outdoor use down to -5 °C
- Good gap-bridging ability
- Resistant to weathering and ageing
- Can be painted over and sanded
- Solvent-free
- Good adhesion e.g., to metal, ceramic materials, natural stone, concrete, glass, wood, polystyrene, and surfaces coated with textured paint\*
- EMICODE EC 1 Plus certified
- Available on request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM

*\*If pretreated with TEROSON Adhesion-Promoting Cleaner*

### POSSIBLE USES

- Special adhesive for use in metal construction as well as facade and window installation
- For the efficient bonding of building materials, indoors and outdoors, on metal, mineral surfaces and wood
- As component of the TEROSON sealing strip system

### SUBSTRATE PREPARATION

The surfaces to be bonded must be clean, dry and free of grease. In the production of metals, release agents are often used. These must be removed with TEROSON Adhesion-Promoting Cleaner (also part of the sealing system). The pre-treated surfaces, e.g., surfaces coated with textured paint, can afterwards be bonded with TEROSON AD 2100 MS adhesive.

In exceptional cases, depending on the substrate, it may be necessary to pre-treat the surfaces to achieve optimum adhesion.

### APPLICATION

TEROSON AD 2100 MS is a gun-applied, 1-component assembly adhesive that cures on contact with atmospheric moisture. Curing and skin formation can be accelerated by increasing temperature and air humidity.

Apply the adhesive in strands (recommended diameter 6-8 mm, distance between the strands approx. 10 cm) to the workpiece or substrate (depending on the expected load of the bond).

When bonding on vapor-impermeable substrates like glass, metal or GRP, the strands must be interrupted by 10 cm every 50 cm to avoid trapping condensate. Afterwards, press the materials to be bonded together, but take care – especially with non-absorbent materials – that the strands do not run into each other and coalesce. Ensure proper ventilation between the strands.



After assembly, the thickness of the adhesive strand must be  $\geq 1$ mm. If necessary, use spacers. The application temperature must be between -5 °C and +40 °C. Heavy workpieces or pieces under tension must be supported or fixed if necessary.

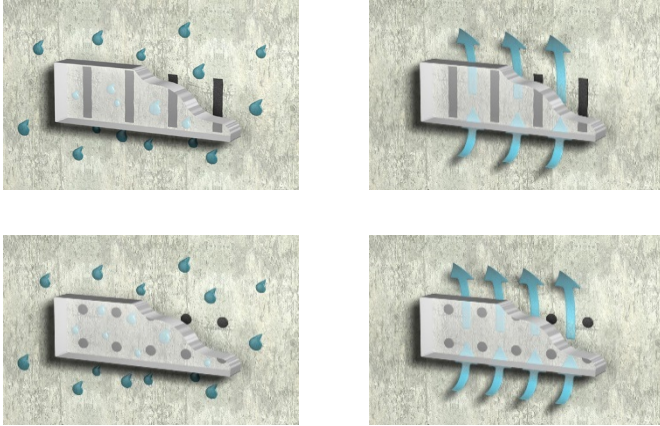
When bonding on powder-coated surfaces, please note that there may be adhesion problems caused by paraffins in the surfaces of the new powder paints and textured paints.

We recommend carrying out bonding tests due to the different site- and application-specific conditions.

### PLEASE NOTE

The position of the workpieces bonded with TEROSON AD 2100 MS can be adjusted for some minutes. The bonding process must start immediately after application of the adhesive strand. The open time is max. 10 minutes. The curing process can be accelerated by wiping one of the surfaces to be bonded with a slightly damp cloth (moistened with water).

If the bonded workpiece is exposed to the weather or if condensation moisture is to be expected, we recommend applying the adhesive in vertical strands. For light-weight components, the spot application method can be used.



If the adhesive is correctly applied either in spots or vertical strands (see figures), no moisture can accumulate, and the curing process is accelerated by the so-called "stack effect".

After curing, the surfaces covered with TEROSON AD 2100 MS can be sanded. They can also be painted over, especially with water-based acrylic paints.

We recommend carrying out your own tests. Since the conditions may vary from site to site, the correct and successful use of our products is beyond our control. Please consult a TEROSON facade expert if you have any questions.

## CLEANING

Immediately remove excess adhesive with a cloth. After curing, the adhesive can only be removed mechanically.

## SUSTAINABLE BUILDING

On request, product and manufacturer's declarations for sustainable building can be made available for this product. The documents meet the requirements of common certification and assessment systems such as DGNB, LEED and BREEAM.

## CERTIFICATES



Apart from the information given in this Technical Data Sheet it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable national standards. All data given was obtained at an ambient and material temperature of +23°C and 50% relative humidity unless specified otherwise. Please note that in other climatic conditions hardening may be accelerated or delayed and take the resulting consequences into account.

The above information, in particular proposals for the handling, application and use of our products, is based on our knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our influence, we strongly recommend that in each case the user conducts sufficient tests to ensure our products are suitable for the intended application method and use. Legal liability cannot be accepted, either based on the content of this data sheet or any verbal advice given, unless there is evidence of carelessness or gross negligence on the manufacturer's part. This Technical Data Sheet supersedes all previous issues.

Please refer to our Safety Data Sheet for hazard warnings, safety advice and information on transport labelling.

## TECHNICAL DATA

### TEROSON AD 2100 MS

|                                       |                                |
|---------------------------------------|--------------------------------|
| Material base:                        | Silane-modified polymer        |
| Consistency:                          | Paste-like, thixotropic        |
| Colours:                              | Grey, white                    |
| Odour:                                | Odourless                      |
| Packaging:                            | 310 ml in ALU nozzle cartridge |
| Density:                              | 1.5 g/cm <sup>3</sup>          |
| (DIN 53 217, part 2)                  |                                |
| Skin formation time:                  | 5 to 10 min                    |
| (acc. to ISO 2091 at 23 °C & 50 % RH) |                                |
| Curing rate:                          | 4 mm/24 h                      |
| (at 23 °C & 50 % RH)                  |                                |
| Shore A hardness:                     | 50                             |
| (acc. to ISO 868)                     |                                |
| Tensile strength:                     | 3.0 MPa                        |
| (acc. to ISO 37)                      |                                |
| Elongation at break:                  | Approx. 220 %                  |
| (acc. to ISO 37 at 200 mm/min)        |                                |
| Modulus at 100% elongation:           | Approx. 2 MPa                  |
| (acc. to ISO 8339-A)                  |                                |
| Paint adhesion:                       | provided                       |
| Application temperature:              | -5 °C to +40 °C                |
| Temperature resistance:               | -40 °C to +100 °C              |
| (Short-term exposure up to 1h):       | +120 °C                        |
| Fire resistance:                      | Class E                        |
| (acc. to DIN EN 13501-1)              |                                |
| Gap-bridging:                         | yes                            |
| Sandable:                             | yes                            |

## STORAGE

Store TEROSON AD 2100 MS in a cool and dry place, preferably between +10 °C and +25 °C.

Shelf life: 12 months

## DISPOSAL

Only return the completely emptied packaging to a waste recycling centre. Dispose of hardened product residues as household-type industrial waste or construction site waste. Non-hardened product residues must be taken to a collection point for hazardous waste.

European Waste Code (EWC): 080410