

## Crystal MS

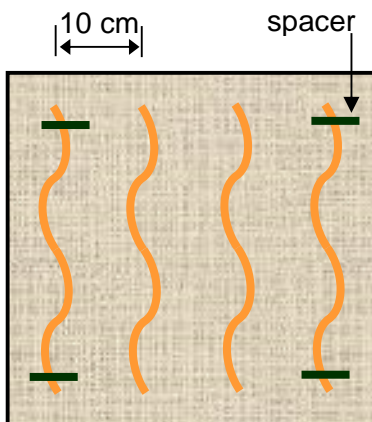
Properties	Value	Unit	Method / Remarks
	System		
Chemical Base	Hybrid		
Consistency	paste		
Density	1.05	g/ml	ISO 2811
Color, cured adhesive	Crystal clear		
Storage temperature range	+5 to +25	°C	
Shelf life	15	months	+5 to +25 °C
	Handling		
Application temperature range	+5 to +40	°C	
Surface temperature range	+5 to +40	°C	
Cartridge temperature range	+0 bis +25	°C	
Skin formation time	5 - 50	min	
Tack free time	5 – 15	min	
Curing rate	3,5 – 4,5	mm/24h	
Flow from vertical surfaces	0 - 3	mm	ISO 7390
Fully cured after	48	h	20 °C
Max. gap fill	bonding < 2	mm	
	sealing 6 - 25	mm	
Application	One or both sided; entire surface, wavelike or in spots		

	Performance of cured material		
Service temperature range	-40 to +110	°C	
Shrinkage	1 - 4	mm	ISO 10563
Movement accommodation	25	%	ISO 9047
Elastic recovery	< 40	%	ISO 7389
Elongation at break	90 - 120	%	ISO 8339
Module at 100% elongation	1 – 1,15	MPA	ISO 8339
Hardness	40 ± 5	Shore A	
Standards	EN 15651-1: F-EXT-INT 12,5P EN 15651-3: S S1 EN 13501-1: +A1: E		

**Directions for use**

Surfaces must be clean and free of dust and grease.  
 One of the materials to be joined together should be absorbent.  
 Use a soap solution to smooth before the skin forms.

To bond two non absorbent materials with each other, please note the following:  
 The adhesive must be applied in shape of parallel strings in a distance of about 10 cm. To guarantee rear ventilation, the substrates must not be pressed completely together. If necessary insert a spacer (for example a match without head) in the adhesive gap (see drawing below).



## Application

Bonding and sealing in the construction and metal industries.

For sealing and connecting skirting boards, plasterboard, panels, terracotta, wood, metals. KDC is also suitable for surfaces made of glass, natural stone, marble and granite.

Powerful, elastic bonding of metals, plastics, concrete, brick, plasterboard, wood, render, ceramic, aircrete, fibre cement, HPL, pumice, ABS, cork, enamel, glass, natural stone and many more.

For bonding PC and PMMA with KDC consider, that the bond is only adequate when glued strainless. For sealing and connecting of building and construction elements made of glass, steel and natural stone.

At least one of the components to be bonded must be absorbent. To bond two non-absorbent materials: see "directions for use".

Not suitable for bonding to PE, PP, PVC, neoprene, PTFE and bituminous substrates, as well as for underwater applications, permanent wet loads and for aquariums.

The cured adhesive may yellow when exposed to direct sunlight.

## Properties / Features

- Rapid hardening
- crystal clear
- Excellent mechanical properties
- Universally applicable
- High adhesive strength, seals like silicone
- also adheres to damp surfaces
- Odorless
- Low shrinkage
- Free of silicone and solvents
- paintable \*

\* fischer Crystal MS can be painted over with many coating systems. Not suitable for alkyd resin paints. Due to the large number of paint systems available on the market, we recommend appropriate compatibility and adhesion tests in advance.

**Surface cleaning**

At least one surface should be porous. Substrates should be dry, clean and free of dust, grease and loose particles.

**Directions for use**

Use a caulking gun. Apply the adhesive onto one surface in beads or dabs (every 15 cm for panels). Always apply the adhesive to the edge and cones of the panels.  
Clean equipment used immediately upon completion.

**Cleanup**

Before hardening - with water, after - mechanical cleaning.

**Storage**

Cool and dry storage at temperatures between +5°C and +25°C. Do not expose to frost.

**Classification and Labelling**

Labelling not required.

Only recycle when empty.

For further safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

The information in this adhesives brochure and our application-technology consulting, verbally and in writing, is given to the best of our knowledge, but is non-binding and is not a guarantee in the sense of § 443 BGB. We recommend that, before using our products, you check the suitability for the intended application. As the individual product can be used for a wide range of applications and the conditions on site that cannot be estimated, we also recommend testing the bonding before using the product.