

## **TECHNICAL INFORMATION**

### **BEST-MS01**

**BEST-MS01** is a high quality, one component MS-polymer-based adhesive and sealant.

#### **Properties**

- Permanently elastic adhesive of high consistency
- Bonding and sealing application for interior and outside work, in the building and construction industry
- Ability to be overpainted with dispersion paint (with the use of alkyd resin based paints a longer drying time is required).
- No contamination of edges (suitable for natural stone)
- No shrinkage
- Free of isocyanates, solvents, phthalate and silicone
- Fast curing
- UV-, weather-, salt water-, moisture and chlorine resistant, prevents fungal growth
- Excellent adhesion to many surfaces, in most cases without requiring the use of a primer (prior tests on porous surfaces are required)
- Neutral, odourless material
- Wet-on-wet-paintable
- Sandability (after curing)

#### **Application**

- Universal filling und joint sealing compound, suitable for connection joints, welds, gaps, cracks and unevenness (no expansion joints) in the construction and industrial area
- Sealing compound for ship deck welds, vehicle body and metal joints
- Bonding and sealing adhesive (can endure vibrations)
- High quality sealing compound for glazings, especially for burglar-proof glazing systems
- Universal, water resistant mounting and construction adhesive for the bonding of stone (non porous), concrete, mirrors, natural stone, gypsum, polycarbonate, PSPU, PVC, different plastics, ceramic tiles, enamel, copper, lead, zinc, aluminium, stainless steel, wood, glass, etc.

#### **Surface preparations**

On clean surfaces free of grease and dust a good bonding can be achieved without priming on paint systems, metals, glass, mirrors, ceramics and various plastics. On concrete it is recommended to use a primer. Due to the wide range of different surfaces adhesion values must be identified through a test.

#### **Overpaintability**

MS Polymer can be painted over with coatings based on acrylate dispersion. The adhesion is dependent on the composition of the paints. Clean the joint sealing compound with methylated spirits before overpainting. An optimal adhesion of the paint is reached, when the sealing compound is overcoated within 3 days after the application. With the use of alkyd paints, a longer drying time is required. Prior tests are recommended.

**Cleaning**

Clean the material immediately after use with turpentine or methyl ethyl ketone, wash the hands with soap.

**Health and safety**

Avoid prolonged skin contact und contact with food, as long as the product is not yet cured. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

**Technical Data**

<b>Density:</b>	1532 kg/m <sup>3</sup>	
<b>Curing time in 24 hours:</b>	3,00 mm	
<b>Shrinkage:</b>	None	
<b>Skin forming:</b>	10 – 15 minutes	
<b>Flash point:</b>	> 100°C	
<b>MZV:</b>	25% ISO 9040	
<b>Elongation at break:</b>	250% DIN 53504	
<b>E-Modulus at 100%-Elongation:</b>	1,7 mPa	DIN 53505
<b>Shore A:</b>	60°	DIN 53505
<b>Tensile strength:</b>	2,2 mPa	DIN 53504
<b>Shelf life:</b>	12 Months + 5°C up to + 25°C in original package	

**Resistance**

<b>Temperature resistance:</b>	- 40°C up to + 100°C
<b>Underground temperature:</b>	+ 5°C up to + 60°C
<b>Processing temperature:</b>	+ 5 up to + 40°C
<b>Mechanical resistance:</b>	Good
<b>Chemicals:</b>	Good. At occasional load
<b>Salt water:</b>	Good
<b>Domestic cleaning agents:</b>	Good
<b>Dirt adhesion:</b>	Is close to none
<b>Discolouration:</b>	None

The data and information above correspond to the current know-how of BEST-Klebstoffe GmbH & Co.KG. Our information and data have been developed from laboratory tests and extensive practical experience. They shall not release any customer from the duty to perform receiving inspections and to do test runs in view of any intended use, nor do they constitute a representation that any product will have specific properties or be suitable for any definite use.

BEST-Klebstoffe GmbH & Co. KG reserves the right to change the contents of this document as necessary.

Revision: 120308

Revision Date: 08.03.2012