Technical datasheet

Novasil® M-SP 7265

The premium hybrid-adhesive for full-surface bonding

M-SP 7265

Characteristics

- 1-component adhesive based on hybrid polymer STP
- Full surface bonding
- Applicable by spatula
- Broad adhesion spectrum
- Elastic and stress-compensating

Fields of application

- Elastic bonds in industry in general

Standards and tests

- EMICODE® EC 1 Plus - very low emission

Technical properties

Skin-forming time at 23 °C/50 % RH [minutes]	~ 30 - 60
Curing in 24 hours at 23 °C/50 % RH [mm]	~ 3
Processing temperature from/to [°C]	+ 5 / + 40
Viscosity at 23 °C	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm³]	~ 1,5
Coverage of adhesive [g/m²]	~ 750 [1]
Shore-A-hardness according to ISO 868	~ 35
Tensile expansion according to ISO 37, type 3 [%]	~ 200
Tensile strength according to ISO 37, type 3 [N/mm²]	~ 1,3
Temperature resistance from/to [°C]	- 40 / + 90
Shelf life at 23 °C/50 % RH for pail/drum [months]	6 [2]
Shelf life at 23 °C/50 % RH for cartridge/foil bag [months]	12 [2]

1) Equates 500 ml with toothed spatula B3

2) from production

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

Pretreatment

The adhesive surfaces must be cleaned and any contamination such as release agents, preservatives, grease, oil, dust, water, old adhesives/sealants and other substances impairing adhesion must be removed.
The adherent surfaces have to be clean, free from dust and grease as well as sustainable.
The demands on elastic sealings and bondings depend on the respective exterior influences. Extreme fluctuations in temperature, tensile or shear forces, repeated contact with water etc. demand high requirements of a bonding. In such cases it is advisable to apply primer in order to achieve a resilient bonding. Please consult our technical department.

Hermann Otto GmbH
Krankenhausstr. 14 | 83413 Fridolfing, Germany
+49 8684 908-0 | @ info@otto-chemie.de
www.otto-chemie.com

Application advice
+49 8684 908-4300
@ tae@otto-chemie.de

SEALING & BONDING

Important information

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e. g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e. g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.
For UV-loaded bonds/seals of glass, we recommend the use of a high-quality silicone adhesive/sealant.
For UV-loaded bonds/seals of transparent plastics such as acrylic glass we recommend the use of a high-quality silicone adhesive/sealant.
Not suitable for sealing / bonding copper upon impact of UV-radiation and temperature.
The colours of the sealant may be affected by environmental influences (high temperature, chemicals, vapours, UV-radiation). This does not affect the characteristics of the product.
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Application information

Due to the many possible influences during and after application, the customer always has to carry out trials first.
Please observe the recommended shelf life which is printed on the packaging.
We recommend to store our products in unopened original packagings dry (< 60 % RH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures / air humidity for longer periods (some weeks), a diminuition of durability or a change of material characteristics may arise.
Fix the substrates, which are to be bonded, until the adhesive is completely cured.
For full-surface application the size of the notched trowel has to be selected accordingly, so that there is enough adhesive and both substrates are sufficiently covered with adhesive after the assembly.
Curing time can be reduced by humidification and increased temperatures.
For the full-surface bonding of moisture-impermeable material and for the acceleration of the curing process illumination is necessary.

Packaging

Packagings and colours on request

Safety precautions

Please observe the material safety data sheet.
After curing, the product is odourless.

Disposal

Information about disposal: Please refer to the material safety data sheet.

Warranty information

The above information and our technical application advice, whether verbal, in writing or by means of tests, are provided to the best of our knowledge, but are non-binding, including with regard to any third-party property rights. The information in this publication does not exempt the processor from carrying out their own tests on our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products and the products manufactured on the basis of our technical application advice are beyond our control and are therefore the sole responsibility of the processor. If the application for which our products are used is subject to an official authorisation requirement, the user is responsible for obtaining these authorisations. We reserve the right to adapt the product to technical progress and new developments. For the rest, we refer to our General Terms and Conditions, in particular with regard to any liability for defects. You can find our GTC at www.otto-chemie.de.