

Adhesin Gel 6531

March-2010

PRODUCT DESCRIPTION

Adhesin Gel 6531 provides the following product characteristics:

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|---------------------|--|
| Technology | Protein |
| Product Type | Special adhesive based on gluten |
| Application | Packaging Industry Graphic Industry |
| Appearance | light brown |

Application Areas

Filemaking:

Machine made laminating and box covering work
Handmade paper-conversion

Adhesin Gel 6531 is especially suitable for application on laminating machines and boxcovering machines (e.g. Perondi, Emmenci, Rebord, Crathern, FMC, Jagenberg, Prakma, Simplon, Tünkers, etc.).
The product is well suited for high-speed laminating machines on account of its quick-tack properties.

Product Properties

- Low viscosity
- Medium open time
- Good flatlaying properties
- The protein adhesive remains elastic and free of tension during the drying process
- No distortion of paper

Technical Data

Adhesin Gel 6531:

| | |
|---|-------------------|
| Solids Content, % | 50.3 |
| Viscosity, Haake, VT 181, 45.2 rpm, 60 °C, mPas | ~1,100 |
| Refractometer Value, % | 58 |
| Gelatinizing power (²) | instantly, strong |
| Gelatinizing point (³), °C | 34.5 |
| Open Time | medium |
| Working Temperature, °C | 45 to 65 |

² This value was determined at 22°C and 40% relative humidity. It is subject to change through changing climatic conditions and changing concentrations of the solution.

³ The gelation or solidification point is defined as the temperature at which the protein adhesive gels (solidifies) under pre-defined conditions.

DIRECTIONS OF USE

Preliminary Statement

Prior to application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Preparation

Adhesin Gel 6531 is molten in the heatable circulation tank at 45 to 65 °C. Please avoid temperatures above 70°C.

Dilution

| Addition of Water (%) | Refractometer Value (%) |
|-----------------------|-------------------------|
| 0 | 57.5 |
| 3 | 55.8 |
| 6 | 54.1 |
| 9 | 52.3 |
| 12 | 50.6 |
| 15 | 48.9 |
| 18 | 47.2 |

Potlife

The ready-for-use solution should be consumed within 24 hours.

Application

The amount of adhesive per surface unit depends to a high degree on the machine type and the materials to be bonded.

Cleaning

For the cold cleaning of surface soilings on application equipment, conveyor belts or other machine parts, Melt-O-Clean can be applied.

Melt-O-Clean is based on natural resources and facilitates manual cleaning even in case of pronounced charring. Before using Melt-O-Clean, its suitability for lacquered and synthetic coated surfaces should be tested.

STORAGE

When stored in a dry and cool place in the original unopened containers shelf life is as follows. .

Shelf life:

| | |
|---|----------|
| Shelf-life (in unopened original packaging), 6 months | |
| Frost-Sensitive | No |
| Recommended Storage Temperature, °C | 10 to 30 |

Disposal

As a rule Adhesin Gel 6531 is biodegradable or degradable in biological sewage plants. In case of doubt, contact your wastewater management authorities.

Classification:

Please refer to the corresponding safety data sheets for details on:

Hazardous Information

Transport Regulations

Safety Regulations

ADDITIONAL INFORMATION**Disclaimer:**

The Information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention. This datasheet replaces all former versions.

Reference 0.1