

# Technical Information

## Adhesin Gel 1880



**Field of application:** Bookspine bonding, backlining.

**Description:** Adhesin Gel 1880 is a protein adhesive with high viscosity which forms an elastic film after drying.  
It shows good adhesion on dry dispersion adhesive. Due to its colour it blends very well with the paper background. It shows good wetting properties.

Adhesin Gel 1880 is used on book production lines with a heatable glue tank (e.g. Kolbus book production lines and Stahl/VBF book production lines, etc.).

### Product specification :

### Test Method:

Viscosity: approx. 8000 mPas

60° C, Haake VT 181, 45.2 r.p.m

Solid content: 61.2%

Refractometer value: 68%

### Properties:

Colour: beige

Gelatinizing power: instantly, very strong <sup>1)</sup>

1) 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.

Gelation point: 44.0 °C <sup>2)</sup>

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

Open Time: medium

### Instructions for use:

Temperature: 60 - 65 °C

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



**Preparation  
directions:**

Adhesin Gel 1880 is molten in the heatable circulation tank at 60 - 65°C. Please avoid temperatures above 70 °C.

When ready for use the solution should be consumed within 24 hours.

**Dilution:**

Addition of water (%)	0	3	6	9	12	15	18
Refracto-meter value (%)	68.4	66.3	64.3	62.2	60.2	58.1	56.1

**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 supplies the manual cleaning also in case of strong carbonisations. Before using Melt-O-Clean its suitability for lacquered or synthetic coated surfaces should be tested.

**Disposal:**

Adhesin Gel 1880 is biodegradable or degradable in biological sewage plants. In case of doubt, contact your wastewater management authorities.

**Security advices:**

see Safety Data Sheet

**Packaging:**

Pileable 20-kg cartons containing 8 polythene wrapped portions of 2.5 kg each.

**Storage Conditions/  
Shelf Life:**

Storage dry and cool. If storage conditions are observed, there will be a minimum storage life of 6 months.

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.

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