



## ACRYLAC-MGA®

### 580 179/40

Water-based coating

#### Application

For wet-on-wet coating on sheet-fed offset presses, specifically for the production of low-odour and low-migration primary food packaging, in combination with CORONA-MGA® printing inks.

Recommended application rate: 4 - 6 g/m<sup>2</sup> wet

#### Special properties

Developed for overcoating CORONA-MGA® inks.

Very quick drying. Suitable for double-sided coating. Suitable for use on film material and aluminium-vaporised paper

(Please also note section entitled „Special instructions“ on page 2)

	ACRYLAC-MGA® 580 179/40
Viscosity <sup>1)</sup>	approx. 40 s
pH	8.0 - 9.0
Density (approx.)	1.04 g/ml
Double-sided printing	yes
Heat sealing resistance <sup>2)</sup> 2 layer of PP film (Acrylate-coated films are not suitable)	very good
Rub resistance	very good
Thinner	water

<sup>1)</sup> As-delivered viscosity at 20 °C (draining time per DIN 53 211, 4-mm Ø nozzle)

<sup>2)</sup> 1 s, 150 °C (upper sealing jaw), 10 kPa (tested using heat-sealing unit from Brugger)

Test material: coated cellulose board, printed with Magenta and coated with **ACRYLAC-MGA® 580 179/40**

The values cited are typical values. They can be seen as guidelines, but **not** as specifications.

#### Cleaning

We recommend you use **ACRYLAC® Cleaner 10 T 0045** to clean rollers, rubbers blankets, forme cylinders, etc. (see Technical information 10.9.01)

#### Auxiliaries

Various auxiliaries are available for use in specific circumstances:

ACRYLAC® -FIT 10 T 0606 - see Technical information 10.9.02

Retarder/Anticrazing Agent 10 T 0422 - see Technical information 10.9.03

Defoamer 10 T 0423 - see Technical information 10.9.03

The use of auxiliaries other than these is not permissible!

## Instructions and information on the manufacture of food packaging

When handled and processed in the appropriate manner and applied in line with the recommended application rates, ACRYLAC-MGA® water-based coatings and CORONA-MGA® sheet-fed offset inks enable the manufacture of food packaging that complies with the relevant legislation. The outer, non-food-contact side of the packaging is printed and coated inline.

The coated surfaces are not intended to come into direct contact with foodstuffs.

### Range of applications:

- Packages made of paper and board
  - For dry, non-greasy foodstuffs
  - For dry, greasy foodstuffs
- We recommend the use of special coatings for articles that are packaged or used at increased temperatures.

Information required for the evaluation of finished food packaging can be found in the document entitled *Information on the composition of ACRYLAC-MGA® water-based coatings used to manufacture food packaging made of paper and board*.

**See also:**

1. Information leaflet entitled „Printing Inks for Food Packaging“ published by EuPIA and the Verband der deutschen Lack- und Druckfarbenindustrie e.V. (German Association of Coating and Printing Ink Manufacturers) ([www.druckfarben-vdl.de](http://www.druckfarben-vdl.de)).
2. Technical information 10.1.15 **CORONA-MGA® 5046** „Low-migration sheet-fed offset inks for printing food packaging“

If necessary, you may request these information leaflets from any **hubergroup** company.

### Special instructions

Heat-sealing resistance depends upon many parameters, which is why we recommend you carry out tests under field conditions in this regard.

Suitability for finishing with hot-stamping film must be tested in the field. It is dependent upon the substrate and the type of film used.

Heat resistance to the various tool materials (e.g. metal) must likewise be tested in the field. When doing so, bear in mind that the MGA® inks underneath are much less resistant to heat than conventional offset inks.

If there is a possibility of the print being subjected to moisture (e.g. double-sided coating) or if the package contents (e.g. detergents, grease, etc.) could have a potentially negative influence on the coating, you must likewise conduct appropriate tests to determine suitability.

The coating has a shelf life of 6 months from delivery if the container is not opened. After opening the container, the coating should be used up as quickly as possible. After being stored for a period of 6 months, the properties of the coating must be verified.

Please refer to Technical information 10.5.01 for general application instructions and information about the drying process.

The water-based coating must be stored in a frost-free place. Stir well before use.

### Classification

Safety Data Sheet available on request.

### How supplied

25-kg-plastic canisters

600-kg-returnable plastic containers

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Contact addresses for advice and further information can be found under [www.hubergroup.de](http://www.hubergroup.de)

This Technical information sheet reflects the current state of our knowledge. It is designed to inform and advise. We assume no liability for correctness. Modifications may be made in the interest of technical improvement.