



# Technical Data Sheet

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| TYPE PRODUCT                        | : Polyaspartic Resin              |
| <b><u>PRODUCT DATA</u></b>          | : <b>BENASP 1720</b>              |
| APPEARANCE                          | : Light yellow transparent liquid |
| NON-VOLATILE MATTER (%)             | : $97 \pm 2\%$                    |
| NH EQUIVALENT (g/mol)               | : approx. 295                     |
| AMINE VALUE (mg KOH/g)              | : 170 ~ 210                       |
| VISCOSITY [mpa·s] (25 °C)           | : 80-120                          |
| DENSITY (relative to water at 25°C) | : $1.06 \pm 0.02$                 |
| FLASH POINT, approx (°C)            | : 133                             |

## **SPECIAL PROPERTIES AND USE**

- This product is a aliphatic polyaspartic ester resin that is solvent-free, low in viscosity, and contains secondary amine groups. It enables the formulation of environmentally friendly coatings with high solids content (up to 100%).
- Its low viscosity allows it to function as an active diluent in aspartate-based polyurea coatings.
- It offers moderate reactivity and, when blended with BENASP 1420 or BENASP 1520, extends the working time of polyurea systems.
- Coatings formulated with BENASP 1720 provide excellent resilience, smooth leveling, high gloss, and a pleasant tactile finish.
- The resulting polyurea films also exhibit outstanding low-temperature flexibility, water resistance, solvent resistance, and resistance to acids and alkalis.
- When combined with elastic curing agents, it can produce flexible materials with exceptional mechanical performance, achieving elongation rates up to 400%.

- Ideal for formulating flexible blade coatings and high-solids anti-corrosion coatings.
- Suitable for high-elongation, high-elasticity coating systems.
- Used in the production of solvent-free container sealants and adhesives.
- Suitable for developing resilient, solvent-free floor coatings.

## **PACKAGING**

- In 200 KG net drums / 25 KG net drums / 1000 KG net IBC

## **STORAGE & SHELF LIFE**

- The shelf life of the resin under the mentioned storage conditions is 1 year.
- The material should be stored indoors in original, unopened, undamaged container in a dry place
- Recommended storage temperature: 0 - 30 °C.
- Protect from moisture, heat and foreign material.

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