

# Denspartic™ AS

## Polyaspartic Fast curing Sealcoat

### DESCRIPTION

**Denspartic™ AS** is a two component, clear aliphatic polyaspartic coating. It provides excellent abrasion resistance, improved scratch resistance and a clear, mat finish.

### FEATURES AND BENEFITS

- Supplied pigmented or transparent
- Solvent free
- Consistent, slightly textured matt finish
- Durable
- Improves scratch resistance and abrasion resistance
- UV-resistant
- Good adhesion to non-porous substrates
- Low viscosity
- Easy to clean and maintain
- Very low emissions

### FIELDS OF APPLICATION

**Denspartic™ AS** is designed for use as glossy durable topcoat for Polyaspartic coating systems.

### SUBSTRATE

The surface to be applied **Denspartic™ AS** must be clean and dry. Application should be made within 24 hours after installation of the sub layer.

### APPLICATION

**Denspartic™ AS** is supplied in prepacked units. Before mixing, precondition both A and B components to a temperature of approximately 15 to 20°C. Pour the entire contents of part B into the container of part A. Mix with a low speed (ca. 300 rpm) electric drill and paddle for at least 3 minutes until homogeneous. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Keep the mixing head

submerged to avoid entrapping air.

Do not work out of the original container. Decant the mixed material into a fresh container and remix for another minute.

Always work wet-in-wet otherwise you risk getting visible roller marks.

Use a max. 40 cm wide short haired roller and start in the middle of one of the short sides of the floor. Dip the roller in the mixed material and apply a strip of **Denspartic™ AS** parallel to the wall next to one of the corners. Dip the roller in the material again and apply as a path from the starting point and out of the other corner. Go back and repeat these steps while overlapping the first track with a few centimetres.

With a new roller scroll backwards without stopping from one corner to the next. Offset roller with 10 to 20 cm and roll to the opposite wall without stopping. Always roll in same direction to avoid visual differences.

By using this method, the period between overlaps should not exceed 1-4 minutes, and visible roller marks will be minimized. Depending on the application method and the consumption, **Denspartic™ AS** appears with a slightly structured surface. This has no influence on the final properties of the coating.

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum.

The temperature of the substrate must be at least 3K above the dew point both during the application and for at least 8 hours after application (at 15°C).

### CONSUMPTION

**Denspartic™ AS**: Typically 0.3-0.8 kg/m<sup>2</sup>.

Do not exceed the recommended use.

### CLEANING AGENT

Tools must be cleaned immediately after use with **Dencoat™ Tool Cleaner** or other suitable solvent.

### PACKAGING

**Denspartic™ AS** is supplied in 8.4 kg, 190 kg or 900 kg units. **Denspartic™ AS** is used with **Denspartic™ Hardener** in appropriate quantity.

### SHELFLIFE

Minimum 12 months stored in original containers under dry conditions at a temperature between 15-20°C. Do not expose to direct sunlight.

## Technical data for Liquid material

| Property                  | Method           | Values           |
|---------------------------|------------------|------------------|
| Mixing Ratio A:B          |                  | 10 kg : 6 kg     |
| Mixed density             |                  | 1.07 kg/l        |
| Mixed Viscosity at 23°C   | Brookfield DV-II | 500 cP           |
| Working time at 23°C      |                  | 20 minutes       |
| Ready for traffic at 23°C |                  | 1 hour           |
| Fully cured 23°C          |                  | 24 hours         |
| Substrate temperature     |                  | Min 5°C max 30°C |
| Max relative humidity     |                  | Max 85%          |

## Technical data cured material

| Property                    | Method      | Values                 |
|-----------------------------|-------------|------------------------|
| Thickness                   |             | 0.3 - 0.8 mm           |
| SHORE D hardness            | DIN 53505   | 75                     |
| Tensile strength            | DIN 53504   |                        |
| Elongation at Break         | DIN 53504   | >50%                   |
| Crack bridging ability      |             | 1 mm                   |
| Temperature resistance      |             | Max 90°C               |
| Water penetration           |             | Impervious             |
| Chemical Resistance         |             | See separate datasheet |
| Adhesion to concrete        | BS/EN 24614 | >1.5 MPa               |
| Abrasion resistance (Taber) | EN 1504-2   | <50 mg                 |
| Impact resistance           | EN 1504-2   | Class II               |
| Fire classification         | EN 1504-2   | E <sub>fl</sub>        |

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