

# Technical Data Sheet



# AB-ZEROPUR® 869

2-C-PU-UV-topcoat, clear, fast curing

**Description:** 2-component polyurethane topcoat, colourless  
VOC < 50 g/l

**Characteristics:**

- UV - resistant
- high weather resistance
- fast curing
- glossy finish
- suitable for indoor and outdoor use
- high abrasion resistance
- easy to apply
- inert and harmless once cured

**Application:** **AB-ZEROPUR 869** is a rollable, abrasion resistant, chemical resistant, UV- and weather resistant topcoat, which is designed for use on concrete and on tough-hard **AB-PUR - systems**. **AB-ZEROPUR 869** can be used as single-layer topcoat on balconies, terraces, galleries, stairs, pergolas, etc.. **AB-ZEROPUR 869** is particularly suitable as topcoat on **AB-ZEROPUR 868** - surfaces, which have been broadcasted in excess with flakes. **AB-ZEROPUR 869** is suitable for indoor and outdoor applications. Please ask for advice system. In indoor areas it is necessary to ensure adequate and continuous ventilation.

**Consumption:** approx. 0.25 kg/m<sup>2</sup>.

**Resistant to:**

- diluted acids and alkalis
- saline solutions
- common industrial air pollution
- lubricants and fuels

<b>Technical Data:</b>	Mixing ratio A : B	100 : 90 by weight
	Density (23°C)	approx. 1.10 g/cm <sup>3</sup>
	Volume solids	approx. 99 %
	Viscosity (23°C)	approx. 1200 mPa·s ± 200

<b>Details for application:</b>	Pot life (12°C / 23°C / 30°C)	approx. 35 minutes / 25 minutes / 12 minutes
	Substrate temperature	minimum 5°C up to maximum 30°C
	Material temperature	15°C - 25°C
	Maximum relative humidity of air	at 6°C: 75 % (dew point +3°C) at > 23°C: 80 % (dew point +3°C)
	Duration between applications	6°C: min. 3 hours max. 36 hours 23°C: min. 2 hours max. 24 hours 30°C: min. 1 hour max. 12 hours
	Curing time / foot traffic (12°C / 23°C / 30°C)	6 hours / 3 hours / 2 hours
	Curing time / mech. resistance (12°C / 23°C / 30°C)	48 hours / 24 hours / 12 hours
	Curing time / chem. resistance (12°C / 23°C / 30°C)	4 days / 3 days / 2 days
	All above values are approximate and may be used as a guideline for specifications	

**Packaging:** 5 kg - pails

**Colour:** clear

**Storage:** 6 months, unopened in original drums under dry conditions and a temperature of 15 - 25°C.

## 1. Surface preparation

The surface that is to be sealed must be in a sound condition and of good quality in general. The surface must have sufficiently cured to accept foot traffic. The surface must be clean, dry and free of oil, fat and other contaminants. See also "general preparation and application instructions" sheet.

## 2. Application

Prior to mixing, the temperature of the components must be between 15 - 25°C. Mix the components in the correct ratio using a suitable low speed electric mixer (300 - 400 rpm) for at least 3 minutes or until a completely homogeneous mixture has been achieved. Put the mixed material into a clean container and mix again for at least 1 minute more. Distribute the mixture immediately onto the surface. To spread **AB-ZEROPUR 869** as an even coat use a rubber squeegee and finish the surface within 15 minutes with a sealing roller. To attain an acceptable finish use a suitable short-haired paint-roller (nylon, 6 - 8 mm). Avoid overlapping where possible. Only the use of a paint-roller may lead to a finish that has shadows; this is normally due to an uneven thickness (WFT). Should the application for any reason be interrupted, tape the edges of the applied material. After approx. 30 minutes remove the tape, you will notice that a well defined seam has been created. Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

## 3. System description

The following figures are for ambient and surface temperatures of 15 - 23°C. Both high and low temperatures will influence the consumption per m<sup>2</sup>.

### Balconies and terraces:

Primer:

#### **AB-POX 010**, clear

Consumption: approx. 0.4 - 0.5 kg/m<sup>2</sup>, lightly sprinkle with clean, dry quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m<sup>2</sup>).

Key coat:

#### **AB-POX 010 + quartz sand and 3 - 5 % pigment** (to match with the coating).

Consumption: approx. 0.6 kg/m<sup>2</sup> resin plus quartz sand, lightly sprinkle with clean, dry quartz sand Ø 0.1 - 0.3 mm (approx. 0.5 kg/m<sup>2</sup>).

Coating (1 to 4 coats):

#### **AB-ZEROPUR 868**, pebble grey

Consumption: approx. 0.15 - 0.25 kg/m<sup>2</sup> each working step. The system can also be applied on vertical surfaces.

If required broadcast in excess with coloured micro-flakes (1 mm).

Flake consumption: approx. 0.8 kg/m<sup>2</sup>. Once cured, remove the excess flakes and carefully abrade the surface using a grinder that is equipped with a carborundum paper disc. Afterwards, thoroughly clean the surface with an industrial vacuum cleaner.

Topcoat / sealer:

#### **AB-ZEROPUR 869**, clear

Consumption: approx. 0.25 kg/m<sup>2</sup>.

## 4. Chemical resistance

Depending on the requirements, we recommend to test the chemical resistance.

Acetic acid 5 %	short-term
Ammonia 5 %	short-term
Citric acid < 10 %	short-term
Distilled water	resistant
Hydrochloric acid 5 %	resistant
Methylene chloride	not resistant
Nitric acid 5 %	resistant
Petrol / Super	short-term
Phosphoric acid 5 %	resistant
Saline solution	resistant
Sodium lye 5 %	resistant
Sulphuric acid 5 %	resistant
Xylene	short-term

Tested for 1 week at 20°C; whether discolouration did occur was not considered.

## 5. Packaging

5 kg - sets

2.6 kg component A

2.4 kg component B

## 6. Health and safety

### GISCODE: PU60

Generally wear respiratory equipment, suitable protective clothing, gloves and eye / face protection (see Safety Data Sheet). Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Safety Data Sheet.

## 7. EU Directive ("Decopaint-RL"):

Acc. to the EU Directive 2004/42/EG the maximum allowed content of VOC (Product category All / j / type SB) is 500 g/l (Limit 2010) for the ready to use product. This product is in accordance with the EU Directive 2010.