

# SA MASTER PROTECT

## USER MANUAL + TECHNICAL DATASHEET

### PRODUCT DESCRIPTION:

SA Master Protect / Stone Age 2K-PU is a special, two-component water-based polyurethane sealant for long-term protection of floors.

### USAGE:

SA Master Protect:

- Reduces dirt adhesion and degree of maintenance.
- Is a durable coating, has excellent elasticity and a good resistance to colourless chemicals.
- Is easy to apply and excellent adhesion.
- Optional in a single-layer application with 1 x 100 ml / m<sup>2</sup> or in a two-layer application with 2x 50 ml / m<sup>2</sup>
- Safe in use
- High solids content
- Does not yellow
- Tested according to DIN 18032-2 and DIN EN 14904, suitable for sports floors (silk matt).
- Has very low emissions (EMICODE: EC-1R for use on wooden floors).

### METHOD OF APPLICATION:

Before adding the hardener, shake SA Master Protect well. Add the crosslinker in the mixing ratio 10:1 to the base coat and stir immediately and evenly. After stirring for 10 minutes, stir again briefly and apply. Do not mix more than can be consumed within 4 hours (20 °C). Apply the coating evenly with the 2K PU roller at at least 15 °C on the prepared substrate (see our instruction regarding basic cleaning of substrates).

### NOTES:

- The substrate must be well prepared and "roughened", as well as clean and dry, as well as free from dust, oil and wax;
- Wood and linoleum floors with open pores should be primed before applying SA Master Protect;
- The soil and material temperature should be at least 15 °C during application and drying at all times;
- During application, take into account the properties of the substrate to be treated.

### NOTE:

**Once the Stone Age product has been applied to the floor, this floor – because of the composition of the Stone Age product - may not be covered with tape afterwards (not even when the floor is already in use!). This prevents potentially disturbing prints, which can damage the floor. Stone Age does not accept liability for any damage caused by applying tape to the floor.**

### CONSUMPTION:

In a two-layer application, per coat approx. 50 ml / m<sup>2</sup>, in a single-layer application, approx. 100 ml / m<sup>2</sup> (10 m<sup>2</sup> / l). On prepared wood, cork or filled substrates, apply two coats with approx. 80 - 100 ml / m<sup>2</sup> (10 - 12 m<sup>2</sup> / l) per coat.

In case of highly absorbent substrates, a higher consumption is possible.

### DRYING TIME:

SA Mater protect is carefully passable and can be further treated after approx. 2 hours, but no longer than 12 hours. A full matt finish should be used for a longer intermediate drying period. Can be gently used after a 12-hour drying period of the last coating layer. After 24 hours, approx. 80 % of the durability has already been achieved. Full durability and resistance to chemicals of the product is achieved after 7 days (at 20 °C, 50 %

relative humidity and adequate air exchange).

Low temperatures, increased humidity and poor ventilation can significantly extend the drying time. Do not place carpets on the finished floor for the first 10 - 14 days. Make sure that furniture is placed carefully. The surface must not be wetted during the first three days.

#### **CLEANING AND MAINTENANCE:**

Once the treated floor has fully hardened, it is recommended to use SA PU Cleaner for maintenance. With regard to substrates requiring more or different kind of care, signs of wear such as scratches or discolorations may make partial or full restoration of the coating layer with SA Master Protect (as care treatment) desirable. If a regular maintenance level is desired, we recommend SA PU Protect Matt.

#### **STORAGE PERIOD:**

SA Master Protect can be stored up to 12 months after production date if it is stored closed in the original bucket and not exposed to extreme weather conditions and/or humidity. When doing so, make sure edges and the inside lid are clean. Keep out of the reach of children.

During storage, condensation may occur due to fluctuations in temperature and in already opened containers. Strain well before use.

#### **SPECIFICATIONS**

Ingredients: water, polyacrylate, polyurethane, glycol ethers, silicate, wax, additives. Contains 1,2- Benzisothiazol-3(2H)-one. May cause allergic reactions. Voc (g/l) 73 in the mixture (ISO11890)/ GISCODE: W3DD+/ 2004/42/IIA(j)(140)140. ADR/ RID: No dangerous goods as described in the transport regulations (stemlak and crosslinker).

CLP (Stamlak): labelling not required.

Empty containers can be disposed of with household waste or waste collection.

CLP (Crosslinker G.M): GHS 07. Caution: contains polymeric isocyanates. Harmful by inhalation, may cause allergic (skin) reactions. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. Wear protective gloves/ goggles. Remove contaminated clothing. Keep closed/ in a locked container. Contains isocyanate. May cause allergic reactions.

Gloss levels 60°: ultra matt = < 4 / extra matt = 5 - 7 / silk matt = 10 - 15 / glossy = 70 - 85

Gloss level may differ from laboratory values, depending on the object.

#### **SPECIAL PRECAUTIONS:**

- Mixed 2K products can develop carbon dioxide and pressure. Therefore, never seal 2K mixtures because of the risk of bursting!
- Clean the tools used with water. Cured paint residues can only be removed mechanically. We always recommend using new, dry-paint rollers.
- Pay attention to the batch printing. Only use products with the same print for one and the same coat. For different batches, we recommend mixing them in a separate container before application.
- Coloured products (e.g. hair dyes, coloured wound disinfectants) as well as plasticisers (e.g. from rubber) lead to irreversible discolouration of the coating layer. If, depending on the object, it must be ensured that this object is resistant to disinfectants, we recommend carrying out preliminary tests with preparations of the agents used on site\*.

\*Please feel free to ask us for further technical advice in such a case.

#### **ADDITIONAL HEALTH AND SAFETY INFORMATION:**

For information and advice on how to safely handle, store and dispose of chemical products, users should refer to

the most recent material safety data sheet containing physical, ecological, toxicological and other safety related data.

**DISCLAIMER:**

This information, and in particular the recommendations related to the application and end use of Stone Age products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Stone Age recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from another advice offered.

The user of the products must test the products' suitability for the intended application and purpose. Stone Age reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned. Copies of which will be supplied on request.

**CE MARK:**

The harmonized European standard EN 13 813, "Screed material and floor screeds – screeds – material properties and requirements" specifies requirements for screeds for use with floor constructions. Structural screeds or coatings, for example those contributing to the load bearing capacity of the construction, are excluded from this standard. Both synthetic resin floors and cement-bonded screeds are covered by these specifications. They must be CE-labelled according to Annex ZA. 3, Table ZA. 1.5



and 3.3 and comply with the requirements of the Construction Products Directive (89/106):

**Stone Age B.V.**  
**Butaanstraat 10**  
**7463 PG RIJSEN - Netherlands**