

1. Product Profile

StenCoat® SD 601 is an elastic, self-leveling, floor coating composed of solvent free two component polyurethane resin, pigments and fillers and it is used for seamless floor applications at outdoor and indoor floors. It has high slide and excellent abrasion resistance and it is resistant to chemicals, physical stresses and floor movements. It is a material with high impact absorption, resistant to piercing, tearing and abrasion. It is resistant to outdoor conditions.

StenCoat® SD 601 is available in 18 kg sets.

2. Uses

StenCoat® SD 601 can be used on many indoor and outdoor grounds. It creates a smooth, easy-to-clean and hygienic surface on floors of hospitals, offices, schools, kindergartens and similar places. Due to its relatively hard structure when used alone, it is also used at places such as weight lifting gymnasiums, skating, dance and gymnastics halls, health-sports centers, children's playgrounds. It is suitable for concrete, terrazzo, ceramic, wooden, inlay and asphalt surfaces.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be below 15°C or over 30°C. Relative humidity of the floor must be less than 75%.

It is helpful to saw cut 20 mm deep and 8-10 mm wide joints in indoor floors, parallel and in 15 cm distance from the walls in order to prevent the floor coating to be affected from the walls and to ensure its permanent adhesion to the floor.

On concrete surfaces **StenAst® 2EP** or **StenAst® 2EP-F** should be used. Depending on the roughness of the surface, 0.3-0.7 kg of primer is applied. Quartz sand up to 3-4 times the weight of the primer can be thrown on the primer. The excess sand should be swept away after 24 hours and the surface should be sanded. There is no need for smoothing if no quartz sand is spread on primer.

If humidity is expected from surface, **StenAst® S** should be used. Its consumption is approximately 50g/m². After applying, it allows later applications no more than 30 minutes

In cases where leveling required, the next layer is applied before the primer is completely dry and in a tacky state. If there are curvatures exceeding 3mm per meter on the surface, it is necessary to apply leveling mortar to level the

Polyurethane Based General Purpose Decorative Paint

Highlights

- Suitable for indoor and outdoor surfaces
- Self levelling
- Solvent free
- Elastic
- Good mechanical resistance
- Long service life
- High impact absorption
- Allows patch repairs
- Catalog colors are available

floor. In this case, **StenSilica** (0.3-0.5 mm quartz sand) is sprinkled on the primer before it has fully dried. The surface must be protected from contaminants and dust until the next layer is applied.

4. Application

The component A should be mixed in its own container for 2-3 minutes and component B is added into the container of component A. They are mixed until a homogeneous mixture is obtained. Mixing is carried out by means of a jiffy type mixer and a powerful low speed (300-500 rpm) machine. Both components must be mixed 2-3 minutes more by paying attention that no air is entraining into the mixture. There must be no unmixed material left at the bottom of and around the container.

Then the mixture is taken to the application container and it is quickly applied onto the floor, starting from a corner. Do not use the mixing container as the application container. The mixture is poured on the floor and applied at 1.5-2.0 kg per square meter with a steel or plastic screed rail and/or a 25-50mm nap roller.

Thickness may be increased depending on the necessity. If the application area is wide, application process is carried out via squeegee type screed rail. Behind the screed rail another worker spreads the material with a roller. During this application the material must not be disturbed too much otherwise, it may cause foam and bubbles due to air trapped inside.

If needed a second layer can be applied same as the first layer but thinner. Consumption at the second layer is 0.5-0.7 kg/m² but can be increased if needed. The surface must be protected from contaminants and dust between two layer applications.

5. Cleaning

Equipment used can be cleaned at the end of the job with **StenSolver CL**.

6. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. The application must be carried out by skilled workers under supervision of experts and the applicators must use all kinds of protective equipment required for the worksite and the task such as goggles, mask and gloves.

Emptied packages must be handled in compliance with relevant regulations and laws.

7. Storage

The material must be kept away from sunlight in dry indoor storage. Recommended storage temperature is 10-30°C. Stored in these conditions, the shelf life of unopened containers are 12 months.

8. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim®** and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim®** products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by **Stenkim®**.

Stenkim® reserves the right to update all information contained in this document without notice.

9. Technical Data

Properties	Method	Results
Base Polymer		Polyurethane
Solid Content % (A+B)		100
Color		Color Catalog
Density		1.34 ± 0.05 g/cm ³
Application Thickness		1-5 mm
Durometer Hardness (Shore)	ASTM D 2240	D55-60
Abrasion Resistance	ASTM D4060 CS10/100 rev/1 kg	6 mg
Tensile Modulus		4.3 MPa
Tear Strength	ASTM D 624 Die C	45 N / mm
Pot Life of the Mixture @ 23 °C		20 minutes
Tack Free Time, 100 microns @ 23 °C		3 hours
Complete Cure Time for Light Traffic @ 23 °C		24 hours
Complete Cure Time @ 23 °C		4-5 days

Stenkim® reserves the right to make changes in the values in this table at any time.