

1. Product Description

StenCare® 2MA 314 is a heavy-duty, solvent-free, pourable methacrylate-based concrete repair material. It has fast curing, high adhesion and abrasion resistance properties, and it is resistant to chemicals. It is resistant to weak organic and inorganic acids and alkalis, oils, fuels and antifreeze, and many chemicals.

2. Uses

Thanks to its very rapid curing property, **StenCare® 2MA 314** is suitable for applications with a depth of 25-60 mm in airports, runways and aprons, taxiways, highways, bridges and parking areas where fast concrete repair is required. It creates a non-slip surface, allowing all types of traffic. **StenCare® 2MA 314** is used in repairing old concrete surfaces, broken slab and joint edges and similar locations.

It can be used both indoors and outdoors for all kinds of repair where elasticity is not required. It has excellent adhesion to concrete, metal, wood and similar surfaces, providing a durable and stable repair.

3. Surface Preparation

StenCare® 2MA 314 is applied to concrete surfaces without requiring primer and adheres very well. The surfaces to be applied must be dry, clean of contaminants such as oil, grease and previously applied sealant residue, and free of loose particles. Metal surfaces must be cleaned with a brush.

4. Application

StenCare® 2MA 314 is a two-component material. Components A and B are packed as sets to be completely mixed. First, component A is mixed on its own.

After mixing for at least 30 seconds, the entire component B is poured onto component A and mixed for 1-2 minutes with a low-speed drill until a homogeneous mixture is obtained. The prepared material is poured into the application area without waiting. **StenCare® 2MA 314** maintains its pourable consistency for approximately 10 minutes; however, to prevent possible surface defects, it is recommended to complete the application within 5 minutes.

Material that has begun to thicken must not be diluted for reuse. In application areas with high thermal movements and around the repair area, joints should be cut and the joints filled with StenSeal® brand joint sealants. The cure time of each layer is affected by the application thickness, concrete temperature, and ambient temperature.

However, as long as application conditions are observed, the total thickness of the application does not affect the traffic opening time of the repair area. For the area to be opened to traffic, the time when the last layer is applied is considered. At temperatures between 20-30 °C, the repair area can be opened to traffic within 1 hour.

For applications below 15 °C or above 30 °C, contact our technical department.

5. Cleaning

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

Methacrylate Concrete Repair Material

Highlights

- Very fast curing; can be used for all emergency repairs
- Suitable for heavy traffic conditions
- High load bearing capacity
- Creates a non-slip surface
- 100% compatible with concrete
- Resistant to chemicals
- Long-lasting and easy to apply



6. Safety

Adequate ventilation must be ensured in enclosed areas. Applicators and supervisors must read the Material Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be handled in compliance with relevant regulations and laws.

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.

7. Storage

It must be stored away from open flame and sources of ignition. Materials should be stored at 5-30 °C in a temperature-controlled environment, protected from daylight and moisture. Under these conditions, the material will retain its properties until the expiration date in unopened packages.

8. Disclaimer

This document is provided for general information and reflects **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information at any time without notice.

Stenkim® warrants that its products conform to the stated specifications on delivery. The buyer is responsible for determining the product's suitability for the intended application and for all conditions of transport, storage, handling, and use. **Stenkim®** accepts no liability for results obtained under conditions outside its control. **Stenkim®**'s liability under this warranty is limited to replacement of non-conforming product and excludes any consequential or indirect damages.



9. Technical Data

Property	Method	Result
Color		Sand-Gray
Base Polymer		2 Component Methacrylate
Density		2.2 ± 0.1 g/cm ³
Application Thickness		Minimum 25 mm - Maximum 60 mm
Compressive Strength (2 hours) @20 °C	EN 12190	> 60 MPa
Compressive Strength (24 hours) @20 °C	EN 12190	> 90 MPa
Adhesion Strength	EN 1542	> 6 MPa
Volume Loss	EN 12617-1	<0.3%
Pot Life @20 °C		10 minutes
Time to open to traffic @20 °C		1 hour
Full Cure Time		1 day
Cure Time for Chemical Resistance		1 day
Shelf Life		1 Year
Packaging		18 kg sets

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

