

StenAst® 2EP MT

1. Product Profile

StenAst® 2EP MT is water based epoxy primer supplied in two components consists of two polymer components. It can be used on wet or moist concrete surfaces. It has excellent wetting, adhesion and elasticity. Due to its moisture tolerant structure, **StenAst® 2EP MT** is an excellent primer, surface hardener. **StenAst® 2EP MT** penetrates deep into the concrete and inhibits water diffusion into the top coating and prevents adhesive failures at the coating interface.

StenAst® 2EP MT is available in 15kg sets.

2. Uses

StenAst® 2EP MT, is a two component, water based epoxy primer, prepared for top coats and surface materials such as **StenFloor®**, **StenCoat®**, **StenSeal®**, **StenSport®**, **StenCare®** to be applied especially on concrete, steel, wooden, epoxy and polyurethane surfaces. It can be used as a moisture tolerant primer for the surfaces where surface coating materials such as **StenFloor®** or **StenSport®** will be applied on outdoor and basement concrete floors. It is preferred on rough, absorbent and cracked surfaces due to its high impregnation properties. It penetrates deep into the cracks and pores in these surfaces and makes the floor ready for top coating. It is also used alone at places with shrinkage cracks to protect the concrete from freeze/thaw damage.

3. Surface Preparation

There must not be loose materials, oil, grease or paint on the surface. Mechanical

abrasion can be used for cleaning the surface from contaminations. Humidity of the concrete pavement must be determined. If the humidity is higher than 0.75 kg/ 24 hours/100m² (ASTM F-1869/98) or relative

Moisture Tolerant, Two Component, Epoxy Primer and Surface Protector

Highlights

StenAst® 2EP MT

- Water based epoxy.
- It can tolerate moisture
- It penetrates deep into the concrete and inhibits water diffusion into the top coating and prevents adhesive failures at the coating interface
- It provides excellent adhesion of top coats on concrete, steel, epoxy and polyurethane substrates
- It is ideal for rough, absorbent and cracked surfaces due to its high impregnation properties
- It can be used alone at places with shrinkage cracks to protect the concrete from freeze/thaw damage
- It is an excellent primer, surface hardener

humidity measured by hygrometer is higher than 75% **StenAst® 2EP MT** must be applied as two layers.

StenAst® 2EP MT

Note: Detailed information on surface preparation is provided in “Surface Treatment: Joint Sealant Application Surfaces” and “Surface Treatment: Floor Surfaces to be Coated” documents.

4. Application

It is helpful to keep the materials at 20 - 30°C for one day before the application date. **StenAst® 2EP MT** must not be applied at temperatures below 10°C. First component A is homogenized for 2 - 3 minutes. Component B is poured into the vortex that forms in the container of component A. After mixing in a lower speed for 2 - 3 minutes more, 2 - 2,5 kg water (20% of amount) of water is added onto the mixture and they are mixed for 2 more minutes at higher speed. There must not be unmixed material left on the walls of the container or at the bottom.

Important: Manual mixing of the components is not sufficient. The material may not (partially) cure due to insufficient mixing.

5. Application Tools

Brush and Roller: Rollers and brushes to be used must be of professional quality. Brushes must be made of medium dense natural hair.

6. Cleaning

Mixing and application tools must be cleaned with a solvent right after being used. **StenSolver CL** can be used for this purpose.

7. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. Emptied packages must be handled in compliance with relevant regulations and laws.

8. Storage

Storage temperature must be between 5°C and 30°C. The packages must not be exposed to direct sunlight. Stored unopened in these conditions, the shelf life is 12 months. Packages to be used must be kept at 20-30°C for a couple of days before the application.

9. 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.

StenAst® 2EP MT

Technical Properties

Property	Method	Result
Base Polymer		Water based Epoxy
Solid Content % (A+B)		80
Density		1,05± 0,05 g/cm ³
Application Thickness, at each layer		200 - 400 microns
Pot Life of the Mixture	@ 23 °C	75 min.
Tack Free Time	@ 23 °C	4 - 8 hours
Cure Time for Trafficability	@ 23 °C	8 - 10 hours

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