StenSeal® 2EP130

1. Product Profile

StenSeal® 2EP130 is a two component, cold applied, chemically curing, self leveling type, epoxy based sealant material with high abrasion resistance and adhesion; suitable for heavy traffic conditions; resistant to organic and inorganic acids and alkalis and many chemicals.

StenSeal® 2EP130 is available in **10 kg** sets.

2. Uses

StenSeal® 2EP130 is suitable for joints on heavy load bearing floors with its high hardness. It has low viscosity; therefore it can be filed even in narrow joints. **StenSeal® 2EP130** can bu used roads, stadiums, industrial facilities, depots, warehouses, harbor areas, dam platforms, markets, cargo fields and similar indoor and outdoor areas.

3. Application

3.1. Surface Preparation

Joint surfaces must be clean and dry. Oil, grease, bitumen or sealant remains must be completely removed. Loose materials on the joint walls must be removed; broken joint walls must be repaired.

StenSeal® 2EP130 is affected from water before curing. Therefore the joints must be dry and the sealant must not contact water until chemical curing occurs.

3.2. Primer

StenSeal® 2EP130 can be used in concrete joints without primer. However, in any caseprimer application minimizes the negative effects of possible contamination, concrete moisture and loose materials. Therefore; **StenAst® 2EP** is recommended for concrete, plastic, glass, wooden, metal and all types of surfaces.

3.3. Backer Material

A rod which preferably does not adhere to the sealant must be placed in the joint in order to attain the sealant depth determined according to the joint width. Closed cell polyethylene foam rods are suitable for this purpose. Diameter of the rod must be 10 - 25% larger than the joint width; the rod must be placed tight in the joint. Rods must not be damaged during placement. In wide joints, semi-rigid materials like polystyrene foam can be used instead of rod. In such cases, it is helpful to place a polyethylene tape over backing material in order to prevent adhesion to the sealant.

Cold Applied, Epoxy Based, Heavy Duty and Traffic Grade Crack Repair Material and Joint Sealant

Highlights

StenSeal® 2EP130

- It is epoxy based, two component.
- It is cold applied.
- It cures chemically.
- It is self leveling.
- It has high abrasion resistance and adhesion.
- It is ideal for all joint and crack repairs where elasticity and load bearing are desired.
- Provides advanced adhesion to concrete
- It is resistant to diluted acids and bases, various chemicals.

Stenkim Kimyasal Maddeler Sanayi ve Ticaret A.Ş

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3.4. Mixing

StenSeal® 2EP130 consists of two components, namely A and B, and these are packed in proportional mixing ratios.

First the container of component A is opened and it is homogenized for 2 – 3 minutes, then all of component B is poured onto component A and it is mixed via a low speed (100/500 rev/min) drill and a suitable paddle for 3 – 5 minutes. Longer mixing times are required to obtain a homogeneous mixture in manual mixing (not recommended). During mixing the mixer must be moved inside the container and it must be ensured that no air is trapped inside.

3.5. Application

The amount that can be used within the pot life must be determined by considering the application place and the capacity of the application apparatus. Mixed material must be used within its pot life. Solvents can not be used for thinning the sealant at the end of its pot life. Material at the end of its pot life must not be used.

It is recommended to tape both sides of the joint before starting application on joints especially where the decorative look is important. In this manner material smeared outside of the joint during the application is removed by pulling off the tape after the application.

3.6. Limitations

It is not recommended for joints narrower than 6 mm. It must not be used on dirty, oily, dusty and wet joints. In order to ensure a good adhesion, it is important to clean such joints before application. During the application, ambient temperature must not be higher than 35°C and lower than 5°C. If the application has to be carried out in other conditions, get recommendations of the production company.

4. Cleaning

Application devices and other sealant smudged devices must be cleaned before the sealant cures. For that purpose, tools first wiped with cloth or oakum must be cleaned with StenSolver CL or aromatic solvents such as toluene and xylene.

5. 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.

6. Storage

The material must be kept in dry indoor storages. Recommended storage temperature is 10 – 25°C. Stored in these conditions, the shelf life is 12 months.

7. Maintenance

Damaged parts should be repaired. If required, please refer to our Technical Support service regarding this matter.

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.

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Technical Data

Property	Method	Result
Base Polymer		2 Component Epoxy
Solids Content %		100
Movement Capability	Expansion	3 %
Movement Capability	Contraction	5 %
Color		Catalogue
Elongation at Break	ASTM D 412 Die B	> 60 %
Density (A+B)		1.50±0.05 g/cm^3
Durometer Hardness (Shore)	ASTM D 2240	A 80±10
Compresive Modulus	ASTM D 695	32 MPa
Tensile Strength	ASTM D 412	6.2 MPa
Tensile Modulus @ 0.05 strain	ASTM D 412	24 MPa
Resilience		> 90 %
Pot life of the mixture @20°C MA		30 minutes
Tack free time @20ºC		1 hour
Cure Time For Light Trafficability @20°C		2 hours
Cure Time For Heavy Trafficability @20°C		1day
Cure Time For Chemical Resistance @20°C		2 days

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

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