

StenCoat[®] 2EP-CT

1. Product Profile

StenCoat[®] 2EP-CT is a heavy duty type anti-corrosion and waterproofing membrane produced from refined coal tar, additives and epoxy resin. It contains no VOC. It forms a non-brittle, water impermeable protection coat with high mechanical and chemical resistance. It protects surfaces exposed to sea against corrosion. **StenCoat[®] 2EP-CT** especially does not allow microbiological contamination and vegetation. It is used in protecting indoors and outdoors surfaces at waste water, sewer systems, outdoors surfaces at clean water facilities, all kinds of underground facilities such as canal, foundation and pipeline and in water isolation, roof and wall isolation; on vertical or horizontal concrete, asphalt, steel or wooden surfaces.

StenCoat[®] 2EP-CT is available in 20 kg. containers.

2. Uses

StenCoat[®] 2EP-CT is used in protecting surfaces in contact with sea water, exposed to damages of salty water, against corrosion and at places such as terrace and roof bottoms, foundation and partition walls, municipal infrastructures, industrial facilities, water works, dams, waste water processing facilities, motorway culverts and water canals and in underground foundation isolation of all kinds of construction.

3. Surface Preparation

Application surfaces must be clean and dry. Loose materials must be removed and parts in disrepair must be repaired.

4. Application

Keeping the materials at 20 - 30 °C for one day before the application date facilitates the application. During the application, surface and ambient temperature must be

Solvent Free Isolation Membrane Modified with Coal Tar

Highlights

StenCoat[®] 2EP-CT

- It is epoxy and refined coal tar based.
- It contains no VOC.
- It has very high mechanical and chemical resistance.
- It protects the surface it covers against corrosive effects of sea water.
- It does not allow microbiological contamination and vegetation.
- It can be applied via airless spray, brush or roller.

minimum 10°C and the temperature must not drop below 10°C for the 24 hours following the application. 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.

StenCoat[®] 2EP-CT is prepared for the application by mixing two components. First, component A is homogenized in its container for 1 - 2 minutes at 300 - 500 rev/min speed. Component B is poured into the container of

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component A and they are mixed for 2 - 3 minutes more. First 1 mm or wider cracks must be filled with the material; surface application must be carried out after the filling process. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

StenCoat[®] 2EP-CT is applied by means of airless spray or manually by brush or roller. Faster curing and thicker single coat application is possible in applications with two component airless type application equipment. With this type of equipment, it is not required to mix two components beforehand. Application can be carried out in single or multi coat; application thickness has no affect on the curing of the material.

5. Cleaning

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

6. Safety

StenCoat[®] 2EP-CT does not contain solvent, asbestos and heavy metals. Since it contains coal tar, it is unsuitable for indoors use or in direct contact with drinking and utility water. It must not be used at such places. 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.

7. Storage

Storage temperature must be between 5°C and 30°C. The packages must not be exposed to direct sunlight. Stored 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. It is inflammable. It must be stored away from open fire and sources of ignition.

8. Maintenance

The cleaning is carried out by normal methods like wiping and sweeping with water and detergent. Pressurized water can be used. Peeled and worn parts of the coating are cut off and patched.

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.

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Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solids Content %		100
Application Thickness, at each Coat		200-1000 microns
Density		1.44±0.05 g / cm ³
Durometer Hardness (Shore)	ASTM D 224	D85-90
Color		Black
Pot Life @20°C		20 minutes
Tack Free Time @20°C		3 hours
Complete Cure Time		1 day

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