

ReArm Coat CT-S

(Formerly known as MYK COAT CT 160S)

Solvented Epoxy – Coal Tar



TECHNICAL DATA SHEET

Product Description

ReArm Coat CT-S is Solvent based Epoxy Coal tar coating It is a three component material in pre-weighed quantities, ready for on-site mixing and use. ReArm Coat CT-S is recommended for two coats. It is having excellent chemical and abrasion properties to protect steel and concrete structures. It provides chemical and abrasion resistance to protect steel and concrete structures, in corrosive environment,

Uses

- Protection of concrete structures in chemical environments
- As a protective coating for concrete saline water tanks, Effluent treatment Plants & STP
- Protective coating for underground structures like retaining walls etc.
- Submerged structures, Piers and Jetty

Features and Benefits

- Low cost & good service life - excellent chemical and abrasion properties, does not support bacterial growth.
- Cost saving – primer less system.
- Added value system - acts as an impermeable waterproof coating.
- Versatile application - can be applied to concrete/steel by brush, roller or spray

Note: For steel structures use recommended primer ReArm Coat ZP

Application Methodology

Step No 1: Surface Preparation:

Concrete should be thoroughly prepared by using mechanical tools/sand blasting/wire brushes etc.

Metal surfaces

The metal surfaces should be prepared as per the set standards to obtain scale free surface.

Step No 2: Product Mixing

Individual components of base and hardener should be thoroughly stirred to disperse any settlement which might have taken place during storage. Base should be diluted with Thinner, then add entire content of hardener into base, it shall be mixed thoroughly by using slow speed (100 -150 rpm) heavy duty or air driven drill fitted with a mixing paddle until uniform colour consistency is obtained.

Since the pot-life is very short, application must be done very rapidly.

Step No 3: Product Application

Recommended to apply two unbroken coats to get an adequate film thickness The second coats are applied when the first coat is just tack-free

Suggestions

If the temperatures are above 35°C, the following precautions to be taken

- (i) Store unmixed materials in a cool environment, avoiding exposure to direct sunlight.
- (ii) Keep all tools and equipment cool, if necessary arranging shade protection? It is especially important to keep surfaces cool which will come into direct contact with the material itself.
- (iii) Try to eliminate application in the middle of the day, and certainly avoid application in direct sunlight.
- (iv) For hand application, ensure that there are sufficient manpower available to complete application within the pot life of the material.

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Cleaning:

Tools and equipment should be cleaned with FloArm Clean PU Immediately after use.

Precautions:

Proper & Enough ventilation to be provided during the application of ReArm Coat CT-S as the product is solvent based. Al so recommended to use Nose mask during the application of the product.

Technical Data

Component Detail	
Base	Pale yellow colored liquid
Hardener	Black colored thick liquid.
Thinner	Pale yellow colored transparent liquid
Mixed Color	Black
Mixed Density	1.09 gm/cc
Solid content	Approx. 80 %
Pot life : @ 20°C @ 30°C	45 minutes 30 minutes
Time between coats:@ 30°C	6 - 8 hrs.
Initial hardness @ 30°C @ 20°C	24 hrs. 48 hrs
Full cure @ 30° C	7 days

Below 30°C temp the above times will be increased.

Temperature limitations:

Minimum application temperature: 18°C.
(At temperatures below 18°C and over 35°C, please contact MYK Arment technical Cell.)

Coverage

Recommended coverage is 4 m² per kg @ 180 microns DFT in single coat. However, practical coverage depends on the nature and porosity of the substrate and application conditions. To understand practical coverage, always do on site substrate sample application

ReArm Coat S -should not be applied over other existing coatings.

For cold weather working (down to 10 to15°C), it is recommended that materials are stored in a heated building and only removed immediately before use. Accelerated heating methods are not to be utilised under any circumstances. - In contact with moisture/high humidity during cure, the colour of the coatings will change

Packaging

ReArm Coat CT-S: Available in 8 kg packing size
(Base +thinner+ Hardener)

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Storage and Shelf Life

The resins, thinner and hardeners, when stored in their original containers and not exposed to undue heat or humidity as in outdoor open sheds, will have a minimum shelf life of 12 months. As far as possible, direct contact of base and hardener with the skin should be avoided as they might cause irritation on sensitive skins. It is advisable to wash off the base and hardener immediately if it does come in contact with the skin. Special barrier creams and cleansing creams are available commercially as additional safeguards.

Fire: Flammable Flash point: 25° C

Chemical Resistance:

ReArm Coat CT-S has excellent resistance to: Sea water, tap water and de-ionized water Hydrochloric and sulfurous fumes. It has good resistance to dilute acids and fair resistance to dilute alkali. Its resistance to aliphatic solvents is limited while resistance to aromatic solvents is poor. More detailed data is available on request

Health & Safety

Proper & Enough ventilation to be provided during the application of ReArm Coat CT-S as the product is solvent based. Also recommended to use Nose mask during the application of the product

Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. the proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

Product Categories Available

