

CONDURSAL Z0095

Protective Paint against Oxidation and Scaling for Temperatures between 650 and 850°C

Properties

CONDURSAL Z0095 is extremely effective as a protective paint for annealing and hardening applications in furnaces without protective atmosphere. Only one coating of CONDURSAL Z0095 is necessary for effective protection against oxidation and scaling for temperatures ranging between 650 and 850°C max. Because the residues of CONDURSAL Z0095 are soluble in water, they can be removed easily after heat treatment by simply washing with hot water or alkaline solution.

Application

Before applying, stir the contents of the CONDURSAL Z0095 tin thoroughly. As received, CONDURSAL Z0095 is suitable for application by painting with a fine hair flat brush or by immersion. Prior to applying the paint, the surfaces of the components to be protected must be cleaned thoroughly by either a vapor degreaser or a detergent washer, so that these are free of oil and grease. If parts are rusty, the rust must be removed by shotblasting.

Apply CONDURSAL Z0095 as evenly as possible to a thickness of approx. 0.2 to 0.3 mm. Only one coating is necessary for effective protection.

Drying time

Drying time, which strongly depends on coating thickness, ambient and workpiece temperature, atmospheric humidity etc. can range from approx. 3 to 8 hours. For effective protection it is important to have the coating thoroughly dried before heat treatment is started. This can be checked by "fingernail test".

During use, with the can open, CONDURSAL Z0095 has a tendency to thicken due to evaporation of the solvent in the paint. Normal consistency can be restored by adding small amounts of "Special Thinner for Condursal Z0095". Avoid overthinning; it would impair the effectiveness of the paint.

Important Note

CONDURSAL Z0095 may not be used at temperatures higher than 850°C because otherwise corrosive attack to the surface of the workpieces might occur. Also it is not recommended to use CONDURSAL Z0095 for annealing temperatures below 650°C, since in that case, residues after heat treatment could not be removed by washing but only by shotblasting

Removal of Residues after Heat Treatment

After annealing or quenching, the residues of CONDURSAL Z0095 can be easily removed by washing with hot water or alkaline.

Cleaning of Equipment

After use, Condursal Z0095 tins should be tightly resealed and the brushes cleaned with "Special Thinner" or Xylene; do not use water.

Storage

CONDURSAL Z0095 should be stored in a dry cool place.

The content of this leaflet is based on our actual knowledge. It provides a description of the product regarding properties and application without giving any guarantee or other legal binding assurance. It does not relieve the user from the responsibility of carrying out his own tests and experiments to check its suitability for his application. Also it is the user's responsibility to make sure that any proprietary rights and existing legislation are observed.

Last review: 2018-10-01