

CONDURON 160

Stop-Off Paint for Deep Carburising in Gas for Case Depths more than 5 mm
- free of solvent, no labelling obligation, short drying time –

Characteristics

CONDURON 160 is a **ceramic base**, highly effective stop-off paint for gas carburising for case depths above 5 mm (0.2") mainly for large gears manufacturing.

CONDURON 160 provides

- No labelling obligation
- Reliable high quality due to latest production lines and quality control system
- Excellent application even at low ambient temperature
- Intense contrast of colour for easy working
- Best spreading rate due to thin coating
- Short drying time
- Reliable protection for case depths above 5 mm

Application

Prior to painting, the surfaces of the components to be protected must be cleaned thoroughly. They must be free of rust and oxide layers. Prior to the application the CONDURON 160 should be stirred thoroughly and applied using a flat brush with soft bristles.

In general one coating is enough to provide excellent protection against carburising but in regard of the process reliability it is recommended to apply a second layer.

The first coating should be applied in a pretty thin uniform layer acting as a primer. It doesn't do any harm, if the steel surface slightly shines through. Not earlier than after complete drying of the first coating, the second one can be applied. Again it should be thin and uniform but now completely covering the steel surface without any through-shining. After the second coating is thoroughly dry, too -not earlier- the coated parts can be put into the furnace.

After carburising and subsequent quenching, residues of CONDURON 160 can be removed by shotblasting or steelbrushing. They are not soluble in water or solvents.

During use, with the can open, CONDURON 160 has a tendency to thicken due to evaporation of the liquid vehicle in the paint. Normal consistency can be restored by adding small amounts of "Special Thinner for CONDURSAL 0118. Please note that overthinning would impair the effectiveness of the paint.

Cleaning of Equipment

As mentioned above, CONDURON 160 cannot be resolved or washed off after drying. So immediately after use, CONDURON 160 cans should be tightly resealed and the brushes cleaned with water. If painting is interrupted for any length of time, the brushes should be set in water to prevent drying of the bristles.

Storage

CONDURON 160 tins shall be stored in a dry cool place. **Prevent from freezing.**

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.

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