

CHAR 27

2-pack epoxy intumescent coating

GENERAL CHARACTERISTICS	Two-component intumescent coating based on solvent-free epoxy resin with fireproofing additives. It acts by the phenomenon of intumescence, which means that it foams under high temperature to create a multicellular char of flame insulation. CHAR 27 gives a low expansion ratio with tough and mechanically resistant char.
APPLICATION FIELD	Fire protection of steel and aluminium structures in severe fire conditions and harsh environment. Specific application conditions must be tested according to specific technical regulations.
DENSITY	1.45 kg/dm ³ at 20 °C
STANDARD PACKAGING	20Kg drums (A + B) Comp. A = 12 Kg. Comp. B = 8 Kg
SHELF LIFE	12 months when kept in sealed containers in temperature range +5°C / +40°C. Avoid high temperatures and direct exposure to sunlight
SPREADING RATE	1,45 kg/ m ² x 1 mm dry
COLOUR	Black (A) + white (B) = grey (A+B)
THINNING	Not recommended.
APPLICATION	By pre-heated airless spray. Small parts or retouch by trowel
IMPORTANT	Follow instructions on technical and safety datasheets.

PHYSICAL PROPERTIES

Hardening time (20 °C and 60 % r.h.)	12 hours - touch 7 days - complete
Overcoating (20 °C and 60 % r.h.)	with same product : 12 hours through-dried with other products
Minimum application temperature	+5 °C
Maximum application temperature	+ 40 °C
Solid content	94 % ± 0,5 by weight 90 % ± 0,5 by volume

APPLICATION

Remove all dust, oil, grease, rust or flaking anticorrosive layers. Rusted metal surfaces must be abraded or sandblasted to remove all surface rust, and properly primed.

CHAR 27 should be applied after the surface has been treated with the specific primer **EPOSOL PRIMER 100**. CHAR 27 is compatible with other commercially available primers. Compatibility, however, should be tested by the user.

Both components should be mixed right before use. Apply the product within 45 minutes from mixing.

Spray application in at least two crossed coats or more depending on the thickness required. Normally by airless spray. Due to the high viscosity, pre-heating of the components and direct mixing with static mixer at the nozzle is recommended.

All tools should be cleaned immediately after use with an appropriate solvent for epoxies.

Though based on the results of long term tests and experience the present information is given as a guide only as utilization and operating conditions are extremely variable. We cannot accept any liability for use of the product that must be verified by the user. Accurate preliminary testing is highly advisable to obtain full advantage of this product. Call in our technical department for any further information you may need.

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