Technical Data Sheet

TRIOCOR ZINC 1700

Epoxy zinc rich primer

DESCRIPTION: A two-pack epoxy zinc rich primer with high zinc dust content.

TYPE AND RECOMMENDED USE: As a primer to give protection of steel as part of an anti-corrosive coating system in severely corrosive environments up to C5 as defined in ISO 12944-2 including industrial, oil&gas and infrastructure facilities. It has good resistance to splashes from sea water, fresh water, oil and refined products. May be used at temperature up to plus 150 °C. May be used as a repair primer for galvanised surfaces.

PHYSICAL CONSTANTS:

Color: Grey.

Volume solids: 62±5 %

Theoretical spreading rate: 0,097 kg/m^2 – 60 microns DFT.

Film thicknesses:

Typical thicknesses

Film thicknesses	WFT, microns	DFT, microns
Minimum	65	40
Maximum	161	100

Drying times:

Drying times for 60 microns DFT								
Surface temperature	0 °C	5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C
To touch	35 minutes	15 minutes	14 minutes	12 minutes	10 minutes	9 minutes	7 minutes	5 minutes
To recoat:								
TRIOCOR MASTIC 4500	8 hours	4 hours	3 hours	2,5 hours	2 hours	1.5 hours	1 hour	0.5 hour

Drying time is thickness dependent. These figures are given as a guide only. Factors such as air movement and humidity must also be considered.
If Triocor Zinc 1700 is exposed to the weather, there is a risk of the formation of zinc salts on the surface, which must be removed by flash blasting or washing down prior to overcoating, otherwise intercoat adhesion may be adversely affected. The rate of zinc salt formation will vary from one location to another. Under severe conditions e.g. marine coastal, offshore or heavy industrial areas, it is strongly recommended that overcoating takes place within 7 days.

SURFACE PREPARATION: Apply only on a dry and clean surface with a temperature at least 3°C above the dew point. There are following surface preparation stages: remedy imperfections to P2 in accordance with ISO 8501-3; remove oil and grease (if necessary); remove salt if necessary; blast clean to Sa $2^1/2$ in accordance with GOST R ISO 8501-1-2014 with average surface profile in the range 50–75 microns; dust, blast abrasives shall be removed from the surface after blast cleaning such that the particle quantity and particle size do not exceed rating 2 of ISO 8502-3.

APPLICATION DETAILS:

Material preparation: A two component material. Before mixing with the Additive stir the Base and the Additive separately.
Mixing Ratio: 4 parts Base to 1 part Additive by volume, maintain stirring to have the wet paint as a homogeneous mixture.

Pot life: 10 hours – 15 °C 8 hours – 20 °C 4 hour – 35 °C

Application method: Airless spraying / Manual application.

Thinner: Thinner TRIOSOLV 0002 (if necessary), up to 5% by volume for airless spray. Contact your O3-Coatings representative for additional data.

Nozzle size (recommended): .009” -.017”

Operating pressure (recommended): (120–160) bar.

Cleaning of tools: Thinner TRIOSOLV 0002

Application conditions: Should be applied at temperatures above minus 10 °C; Relative humidity: 85 % maximum; (In confined spaces provide adequate ventilation during application and drying).

RECOMMENDED SYSTEMS:

Preceding coat: None

Subsequent coat: TRIOCOR MASTIC 4500. Contact your O3-Coatings representative for additional data.

STORAGE: 18 months from date of manufacture. Store in dry, shaded conditions at temperature between 0 °C and plus 30 °C in hermetic original package away from UV rays and other sources of heat.

ADDITIONAL NOTE: Numerical values quoted for physical data may vary slightly from batch to batch.

PACKAGE:	Base – 10L container; Additive – 3L container.
HEALTH AND SAFETY:	Refer to the Safety Data Sheet before use.