TECHNICAL PROFILE

Cold Galvanizing Compound

Single-component, high-zinc protective coating for new steel, complete protective coating systems and the repair of galvanized surfaces.

96%	80 µm	2 m²/kg	4,032 h
ZINC BY WEIGHT IN DRY FILM	RECOMMENDED TOTAL DFT	THEORETICAL COVERAGE AT 80 µm	SALT-SPRAY EXPOSURE UP TO

01 PRODUCT OVERVIEW

GalvoKote is a ready-to-use zinc-rich protective coating designed for prepared steel structures and galvanized surface repairs. A continuous zinc-rich film provides sacrificial galvanic corrosion protection when electrically connected to clean steel.

02 TECHNICAL PROPERTIES

PROPERTY	SPECIFICATION / REFERENCE
Product classification	Single-component zinc-rich coating
Zinc content	96% by weight in the dry film
Density	2.50 ± 0.05 kg/L
Appearance	Zinc grey
Recommended dry film thickness	80 µm total (normally 2 × 40 µm)
Theoretical coverage	2 m²/kg at 80 µm DFT
Theoretical consumption	0.50 kg/m² at 80 µm DFT
Touch-dry time	Approximately 30 minutes
Minimum recoating interval	1–2 hours
Full cure	24 hours at reference conditions
Application temperature	5–40°C
Salt-spray resistance	Up to 4,032 hours

PRIMARY APPLICATIONS

Full-coat protection of fabricated and structural steel; maintenance of steel assets; galvanized-surface repair, cut edges, welds and damaged areas.

APPLICATION GUIDE

Application & Handling

Practical guidance for surface preparation, coating application, dilution, topcoating and storage.

01 BEFORE APPLICATION

SURFACE PREPARATION

Remove oil, grease, rust, moisture and loose contaminants. Prepare steel to the cleanliness and surface profile suitable for the intended service.

MIXING

Thoroughly stir or mechanically agitate until settled zinc is reincorporated and the coating is homogeneous. Maintain uniformity during application.

02 APPLICATION SETTINGS

Application methods	Brush / roller / conventional spray / airless spray
Airless spray	Pressure >20 MPa; spray-tip orifice >0.017 in
Airless filtration	#50–60 filter (as appropriate to equipment)
Film build	Two coats, normally 40 µm DFT each; verify final DFT

DRYING & RECOATING

Touch dry: approximately 30 minutes / Recoat: 1–2 hours / Full cure: 24 hours at reference conditions.

READY TO USE / THINNING CONTROL

Never add petrol or kerosene. These can damage material quality or reduce coating performance. If thinning is necessary, use **xylene only**, to a maximum of **10% of the coating quantity**.

03 TOPCOAT COMPATIBILITY

Direct application of alkyd-based topcoats is not recommended. Acrylic and other organic resin-based topcoats may be used after confirming the compatibility of the complete coating system.

04 AVAILABLE PACK SIZES

1.5 kg	2.5 kg	5 kg	10 kg

05 STORAGE, SAFETY & PERFORMANCE

Store in tightly closed containers in a cool, dry, well-ventilated area away from ignition sources. Follow the GalvoKote Safety Data Sheet and applicable workplace safety requirements.

Performance depends on surface preparation, environmental conditions and achieved film thickness.