ZINGACOLOR

Zingacolor is a two pack acrylic polyurethane paint. Zingacolor gives a finish in most RAL colours with good adhesion.
Zingacolor is recommended as a finish coloured topcoat in a ZINGA system.
Zingacolor can also be applied directly onto metal surfaces (steel, aluminium, galvanised and stainless steel), OSB plates, wood, MDF, plastics (hard PVC, ABS, polyester, ...) and mineral surfaces (walls, floors).

PHYSICAL DATA AND TECHNICAL INFORMATION

WET PRODUCT

Components	- Barium Sulphate - Magnesium Silicates - Zinc Phosphate - Outdoor resistant pigments (lead-free)
Binder	- Hydroxyacrylics - Aliphatic isocyanates
Density	1,35 kg/dm³ (± 0,05 Kg/dm³) depending on colour
Solid content	- 60% by volume (± 3%) - 74% by weight (± 3%)
Type of thinner	Thinner 41 (preferably) or Zingasolv
VOC	< 370 g/L (= 274 g/Kg)

DRY FILM

Colour	Most RAL colours
Gloss	20 (± 5)% Gardner 60°. Low degree of gloss, level 3: Egg Shell (MPI)

PACKING

4 L	Available
10 L	Available

CONSERVATION

Pot life	± 5 hours at 20°C
Shelf life	3 years in the original, unopened package.
Storage	Store in a dry environment at temperatures between –20°C and +40°C.

CONDITIONS

SURFACE PREPARATION

When the waiting time between the successive coats is abnormally prolonged or in extremely polluted areas, the Zinganised surface can become contaminated. All contaminations that hamper the adhesion of the paint should be removed by appropriate means. Salt deposits or other water-soluble contaminations should be removed with water and brush, water under high pressure or steam. Possible white rust on ZINGA should be removed with water and rigid nylon brush.

ENVIRONMENTAL CONDITIONS DURING APPLICATION

Ambient temperature	- Minimum 0°C - Maximum 35°C
Relative humidity	- Minimum 30% - Maximum 85% - Do not apply on a damp or wet surface
Surface temperature	- Minimum 8°C - Minimum 3°C above the dew point - No visual presence of water or ice - Maximum 60°C

APPLICATION INSTRUCTIONS

GENERAL

Application methods	Zingacolor can be applied on top of ZINGA by brush and roller, conventional spray-gun or airless spraying.
Stripe coat	It is always recommended to treat corners, sharp edges, bolts and nuts before applying a uniform coat.
Cleaning	Cleaning of equipment with Thinner 41 or Zingasolv.
Mixing	Mix base paint and hardener (mixing ratio: 8/1 in volume). Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
As primer on mineral surfaces	After the suitable surface preparation, the product (A+B) must be diluted 10% with Thinner 41 before applying. Possible following layers must be diluted 5%. Remark: when the surface is poly concrete, the surface must always be track blasted before overcoating with Zingacolor.

APPLICATION BY BRUSH AND ROLLER

Dilution	0 to 5% (v%) with Thinner 41 (or Zingasolv)
Type of brush or roller	Industrial round brush

APPLICATION BY CONVENTIONAL SPRAY-GUN

Dilution	5 to 20% (v%) with Thinner 41 (or Zingasolv)
Pressure at the nozzle	3 to 5 bar
Nozzle opening	1,2 to 1,5 mm

APPLICATION BY AIRLESS SPRAY

Dilution	0 to 10% (v%) with Thinner 41 (or Zingasolv)
Pressure at the nozzle	100 to 300 bar
Nozzle opening	0,017 to 0,024 inch

APPLICATION ON ZINGA

Mist (tie) coat	20-30 µm DFT, diluted 10-15%
Full coat	2 hours after touch dry, DFT no more than 70-80 µm per layer

OTHER INFORMATION

COVERAGE AND CONSUMPTION

Theoretical coverage	- For 60 µm DFT: 10 m^2/L - For 80 µm DFT: 7,5 m^2/L
Theoretical consumption	- For 60 µm DFT: 0,10 L/m^2 - For 80 µm DFT: 0,13 L/m^2
Practical coverage and consumption	Depends upon the roughness profile of the substrate and the application method.

DRYING PROCESS AND OVERCOATING

Drying time	For 60 µm DFT at relative humidity of 75%: - 10°C: Dustdry: 40 minutes Tackfree: 5 hours Dry: 1 day - 20°C: Dustdry: 30 minutes Tackfree: 3 hours Dry: 12 hours - 30°C: Dustdry: 30 minutes Tackfree: 3 hours Dry: 8 hours
Overcoating	For 60 µm DFT at relative humidity of 75%: - 10°C: Minimum: 1 hour Maximum: 4 days - 20°C: Minimum: 30 minutes Maximum: 3 days - 30°C: Minimum: 30 minutes Maximum: 3 days Remark: At longer intervals a good cleaning is necessary to avoid intermediate coat contamination which could disturb the adherence of the next coat.

RECOMMENDED SYSTEM

ZINGA duplex system	Zingacolor can be applied directly onto ZINGA (apply with mist/full coat technique). • ZINGA 1 x 60-80 µm DFT + Zingacolor 1 x 60-80 µm DFT
ZINGA triplex system	For optimal gloss and extra barrier protection, a triplex system (with sealer) is recommended. • ZINGA 1 x 60-80 µm DFT + Zingalufer 1 x 80 µm DFT + Zingacolor 1 x 60-80 µm DFT • ZINGA 1 x 60-80 µm DFT + Zingaceram HS 1 x 80 µm DFT + Zingacolor 1 x 60-80 µm DFT

For more specific and detailed recommendations concerning the application of Zingacolor, please contact the Zingametall representative.
For detailed information about the health and safety hazards and precautions for use, refer to the Zingacolor safety data sheet.