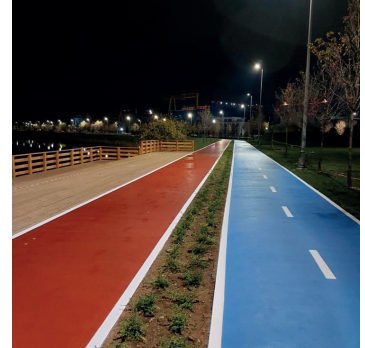


Chelfix Paint AC 100

Acrylate-Based, Solvent-Borne,
Single-Component, Cold-Applied Floor Paint



Product Description

Chelfix Paint AC 100 is a high-performance, single-component, solvent-borne, acrylate-based floor paint engineered for cold application on both interior and exterior surfaces.

Areas of Application

- Highways, arterial roads, and city intersections
- Airports, runways, and bridge decks
- Residential complexes and commercial shopping centers
- Municipal elements including paving stones, curbstones, and street furniture
- Asphalt and concrete surfaces across all civil engineering and infrastructure projects

Advantages

- Formulated with an advanced acrylate base specifically for cold-applied operations.
- Manufactured in standard traffic safety shades fully aligned with RAL color codes.
- Rapid drying formulation ensures minimal downtime, allowing quick reopening of application areas to traffic.
- Superior weatherability and exceptional resistance to UV exposure and ambient weathering.
- Suitable for direct application on asphalt, concrete, surface hardeners, mosaic, and similar substrates.
- Delivers long-term durability along with outstanding adhesion strength to the underlying surface.
- Highly resistant to dirt, dust accumulation, vehicle exhaust, and petroleum oils.
- Incorporates thermoplastic flexibility, enabling it to absorb thermal movements and strain from the underlying layer.
- Ensures high visibility during night-time driving conditions.
- Demonstrates robust resistance to saline water, de-icing salts, and chemical exposure.
- Resistant to different organic chemicals.

Application Instructions

Surface Quality: Prior to application, the substrate must be completely dry, clean, structurally sound, and free of loose particles. Application should not proceed until all surface criteria are satisfied. Newly poured concrete or asphalt substrates must complete their full curing period before painting.

Surface Preparation: Oil or grease contamination on the surface should be removed by thermal burning or appropriate chemical degreasing. Substrate defects and cracks should be remediated using Chelfix repair mortars.

Curing: Mix the product thoroughly in its container using a low-speed mechanical mixer for approximately 3 minutes until a fully homogeneous consistency is achieved. Pour directly into the application container and apply immediately. Do not add any foreign additives or unapproved chemicals, as doing so can compromise the performance, technical properties, and lifespan of the paint.

Application Notes & Equipment Maintenance

- Mix 5–10% CHELFIX THINNER into the paint and apply it to the surface as a first coat using a roller or brush.
- Allow approximately 1 hour drying time. Subject to surface porosity, apply the second coat either neat or thinned with 5–10% CHELFIX THINNER. Allow an additional 1-hour drying interval. If full opacity/coverage is not achieved, apply a third coat without dilution.
- Ensure proper ventilation throughout the application space. Suitable artificial lighting must be supplied for nighttime installations. Three-phase electrical supply must be available if powered application equipment is utilized.
- Can be applied manually with rollers and bristle brushes or mechanically using spraying machines.
- Freshly applied surfaces must be shielded from direct sunlight, severe wind currents, and elevated ambient temperatures (above +35°C).
- Because rapid curing begins immediately post-application, cleaning should be carried out using mechanical equipment. Hands should be washed thoroughly with warm water and soap.

Technical Data

General Information	
Chemical Structure	Acrylate-Based
Color	Yellow, white, red (Custom colors available upon request)
Density	1.45 ± 0.10 kg/L
Viscosity (KU)	85–95 KU
Viscosity (Brookfield)	1500–4500 mPa.s
Shelf Life	12 months in unopened original packaging
Packaging	25 kg tin container
Application Information	
Consumption	300–500 g/m ² per single layer
Touch Dry	~30–40 minutes (+20°C)
Film Thickness	~300–500 microns
Through-Dry	60 minutes

Technical parameters reflect average values derived from laboratory tests conducted by Chelfix Construction Chemicals for finished products at +20°C ambient temperature and 50% relative humidity.