

KETANCHE

Fast-drying, solvent-free, aromatic one-component resin to which fillers and a dye of your choice are added. Can be used for waterproofing and anti-corrosion and anti-moisture protection for all substrates (wood, concrete, metal).

APPLICATION FIELDS

KETANCHE is used to waterproof concrete tanks storing raw or used water, concrete walls of building facades, engineering structures (bridges, viaducts, etc.), and parking floors.

Can ensure the waterproofing of damp rooms (showers, sanitary facilities) with the possibility of an aesthetic finish. Very practical as a dustproof coating for floors in car parks, garages, warehouses or sheds.

CHARACTERISTICS

- Strong adhesion to concrete, wood or metal surfaces.
- 100% dry extract, solvent-free, BPA-free and endocrine disruptors.
- Open application time (DPU), low consumption 150-200 g/m² per coat.
- Several colours possible
- Fast commissioning
- High resistance to many chemical agents, atmospheric conditions, humidity and water.
- No chemical attack (saponification) of the concrete in the long term
- Short drying time.

PROPERTIES

Dry matter (by mass)	100% (ISO 1515)
Flash Point Component A	>110 °C
Viscosity (20°C)	650 cps
Density	1.16 ± 0.05 kg/L
Color	Clear amber liquid
Adhesion to concrete	3 – 4 MPa depending on the quality of the concrete (NF EN ISO 1542)
Adhesion to metals	9 - 12 MPa (NF EN ISO 1542)
Contrainte max (σ)	20 MPa (NF EN ISO 527-3)
Elastic modulus (E)	65 MPa (NF EN ISO 527-3)
Elongation	20% (NF EN ISO 527-3)
Withdrawal	0%
Temperature resistance	-20°C to 120°C
Hardness Shore A/D (at 14 days)	98 (A), 60 (D)

Chemical resistance (1 < pH < 13)

PRE-DOSE PACKAGING

One-component resin	Charges	Dye	Complete kit
5 l (5.8 kg)	0.477 kg	0.064 kg	6.3 kg
10 l (11.6 kg)	0.956 kg	0.122 kg	12.6 kg
25 l (29 kg)	2.388 kg	0.321 kg	31.7 kg

PREPARATION OF THE SUBSTRATE

- The substrate must be clean, dry, healthy, free of oils, greases, dust and non-adherent particles.
- Relative humidity of the air should be less than 70%.
- The substrate should be +3°C above the dew point to prevent condensation.
- Substrate temperature: 10°C to 30°C.
- Before application, the resin should be stored between 10 and 25 °C or brought to temperature (~20°C).

PREPARATION

The system is composed of the resin, fillers and dye. The preparation must be done sheltered from the wind so as not to lose and spread the powder in the air, which is very powdery. Take a wooden tongue depressor or a small plastic spatula.

The substrates must not be subjected to capillary rise or rain during application or during the curing and drying phase of the product. Before mixing, remove any solid particles or thin membrane on the surface in the bucket of component A (may form due to moisture).

Mixing:

- Slowly mix the resin to homogenize without incorporating too many air bubbles.
 - Pour the contents of the fillers into the resin bucket. Mix slowly so as not to disperse the powder into the air. When the powder is incorporated into the mixture, stir vigorously until smooth.
 - Pour the colouring into the mixture previously obtained, scraping the edges of the colouring jar well with a tongue depressor. Shake the mixture vigorously (KETANCHE).
 - To collect the remaining dye in the jar, put a little KETANCHE in the dye jar, mix with the tongue depressor and pour the mixture back into the bucket of KETANCHE. Homogenize the mixture again.
 - Transfer the obtained Ketanche to a clean bucket and shake to homogenize.
- Product contaminated with tools or poured into another container cannot be stored.

APPLICATION

Machine:

- Machine spraying allows for a better finish appearance.
- Apply the product using an HP single-component pump and an Airmixt gun.
- Apply in a minimum of two coats and with a maximum thickness of 200-300 µm per coat.

Manual:

- Spread the product well in a thin thickness between 150-200 µm maximum per layer
- Use lacquer rollers or brushes (short bristles) for a better finishing appearance.
- Rollers and brushes should be single-use. Once the resin has cured, they need to be replaced.
- Curing times vary with temperature and humidity, check the drying well before applying the second coat

Consumption	100 – 150 g/m²	
Practical Duration of Use (DPU)	Open application time	
Breakdown time (20°C)	Minimum	Maximum
	3 hours	120h
Touché sec (20°C)	~ 3h	
Commissioning	~ 8h	
Definitive curing	7 Days	

ADDITIONAL REMARKS

- Storage is for up to 6 months from the date of manufacture and in the original unopened packaging, under cover between 10°C and 30°C.
- Clean tools with acetone, MEK or DBE directly after use. Once cured, the product cannot be cleaned.
- Rollers or brushes should be renewed regularly during long applications.
- UV exposure may alter the color or appearance without affecting the mechanical performance of the coating.