



# Bonding & Repair Agent for Waterproofing and Oil Resistance



## PRODUCT DESCRIPTION

**INKA-SA**, is an acrylic dispersion based waterproofing, adherence and repair additive for cementitious mortars where properties like resistance and leak-proofing against mineral and vegetable oils are required.

## AREAS OF USE

**INKA-SA** is especially used,

- on the surfaces of mineral and vegetable oil storage pools/tanks,
- in the construction of floorings, toppings and screeds resistant to mineral and vegetable oil,
- in repair and renovation jobs where high adherence is required,
- in thin layer patching mortars,
- in production of dustproof flooring,
- in production of tile fixing, masonry and repair mortars etc.

## ADVANTAGES

**INKA-SA**, is simply added to the mortar's mixing water, providing;

- perfect adhesion,
- reduced shrinkage and greater elasticity,
- improved chemical resistance against mineral and vegetable oils,
- safe use in potable water tanks thanks to its non-toxic nature,
- resistance to high alkaline environments thanks to its nonsoluble nature.

## TECHNICAL DATA

- **Appearance:** Milky white liquid
- **Specific Gravity (@20°C):** 1,1 ± 0,02 kg/l
- **pH:** 7,0 - 8,0
- **Storage:** 12 months when kept unopened and away from freezing temperatures
- **Packaging:** 6 kg, 30 kg PE bins and 200 kg steel/PE barrels
- **Complies with:** BS 6319 b

## APPLICATION

**Surface Preparation:** The substrate should be cleaned from all loose particles, dust, dirt and grease. The cleaned surface should be wetted with a brush or sponge. (**especially absorbant surfaces**)

**Preparation of Materials:** Aggregates should be well graded and washed thoroughly. Particle size of sand should be adjusted according to the thickness of the plaster/mortar needed for the surface.

### SAND

up to 2 mm thickness	0 - 0.5 mm
2 - 5 mm	0 - 1.0 mm
5 - 15 mm	0 - 3.0 mm
above 15 mm's	0 - 7.0 mm

**INKA-SA** should be added to clean mixing water in the ratio of 1 : 1 to 1 : 4. (water : SA)

**Application:** As a bonding coat **INKA-SA** - Water (1 : 1) should be mixed with cement and the slurry should be applied onto the prepared surface. The mortar application should subsequently be made whilst the bonding coat is still wet.

## ATTENTION

- Floor coverings, mortars and plasters prepared with **INKA-SA** should be cured correctly.
- Mortar should be protected from freezing temperatures.
- Excessive air-entrainment should be avoided through over-mixing.
- Do not use **INKA-SA** and water as a bonding agent alone. Always add cement to the mix.
- Do not use the product below +5°C.
- **INKA-SA** should be protected from freezing temperatures. If accidental freezing occurs, the thawed product should not be used.
- Tools and equipment must be cleaned with water immediately after use as it will be very difficult to physically remove the residues after the product fully cures.

## HEALTH & SAFETY

- Contains acrylic dispersion. Incase of contact with skin and eyes, wash with plenty of water.
- Mechanical ventilation might be needed when used in small spaces and/or in spaces with insufficient ventilation.



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## CONSUMPTION

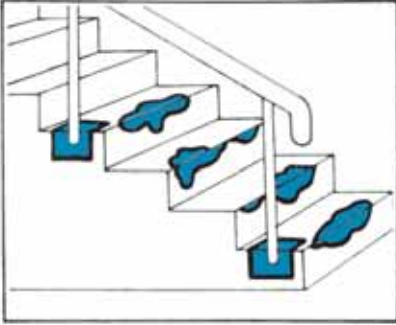
Consumption of İNKA-SA in kg/m<sup>2</sup> per cm thickness;

İNKA-SA : Water

w/c ratio →	1 : 1		1 : 2		1 : 3		1 : 4	
	0.5	0.8	0.5	0.8	0.5	0.8	0.5	0.8
1 : 1	2.3	3.0	1.5	2.1	1.1	1.5	0.9	1.2
1 : 2	1.4	1.9	0.9	1.3	0.7	1.0	0.6	0.8
1 : 3	1.1	1.5	0.7	1.0	0.5	0.8	0.4	0.6

↑ cement/sand

~ 5 - 7 kg in 1 m<sup>3</sup> mortar. Exceeding this amount may have a negative effect on strengths due to excessive entrained air.



## TECHNICAL SERVICES

Our technical support team is ready to answer all your questions concerning our product line.

For additional information, please contact our headquarters.

Material Safety Data Sheet of this product can be obtained from [info@inka.com](mailto:info@inka.com) or from our regional sales representatives.

