



Bitumen/ Acrylic Based Waterproof Coating



PRODUCT DESCRIPTION

INKA-FS/4 is an easy to use, single component, bitumen/acrylic based, durable and elastic waterproofing coat resistant to de-icing salts, plant roots and aggressive substances in soil.

AREAS OF USE

INKA-FS/4 is a blend of bitumen / acrylic rubber based chemicals, specially formulated for use on concrete structures that are in permanent contact with soil. Some areas of use are:

For waterproofing;

- Foundations,
- Basements,
- Retaining walls,
- Roofs and north facades of buildings,
- Balconies and terraces,
- Wet areas such as bathrooms, kitchens and toilets,

As a protective coat;

- On shear walls and all types of concrete surfaces in contact with soil against moisture and low degree chemicals,

TECHNICAL DATA

- **Color:** Dark brown/black liquid
- **Unit Weight:** 1,01 ± 0,01 kg/lit (@ 20°C)
- **Solid Content:** %61 ± 1,0
- **Viscosity:** 45d. Pa.s
- **Initial Dry-out (tack free):** 5 hours
- **Full Cure:** 1 - 3 days (depending on the ambient temperature)
- **Packaging:** 30 kg PE buckets
- **Standart:** Complies with TS EN 15814.
Complies with DIN 18195-2.
- **Storage:** 12 months when kept in a dry and closed area protected from freezing temperatures

APPLICATION

Surface Preparation: Surface must be clean, free from loose particles, dust, grease, oil, scale and rust. Grouting should be made with **INKA-HT** to fill the cracks and honeycombs if necessary and all corners and edges should be bevelled with **INKA-HT200**.

INKA-FS/4 should be diluted with water at a ratio of **1 : 1** to be used as a primer on the prepared surface.

INKA-FS/4 should be well stirred before use and can be applied with a brush, roller, smoothing trowel or an airless spray gun (for best results). 1 mm thickness gives a perfect result. This thickness should be achieved in two coats for best results.

CONSUMPTION

Depending on the surface condition 1 to 1,5 kg/m² per 1 mm thickness.

ATTENTION

- Application should be made on the surface of direct water contact.
- The surface temperature of the application area should be above +5°C and below +30°C.
- The second coat of the product should be applied perpendicular to the first coat.
- The product should be kept away from freezing temperatures. If accidental freezing occurs, the thawed product should not be used as it will lose its chemical properties.
- Application should not be made on frozen surfaces and/or under direct sunlight.
- During subterranean applications, filling should not be started before the product fully cures and before the filling process, proper drainage pipes should be laid and heat insulation pannels must be used to cover and protect **INKA-FS4**. (such as XPS)
- Tools must be cleaned with water before residues fully cure.

Adherence to Sound Concrete Test

Sample No:	Sample age (days)	Adhesion resistance to flat and sound concrete (N/mm ²)
1	7	1,1
2	7	1,1
3	7	1
		average 1,07

Water Absorption Test

Sample name & no:	Water absorption (%) by weight	Test result's average compared to the control sample
1- FS4 applied	1,2	
2- FS4 applied	1,3	average 1,3
3- FS4 applied	1,4	% 55,17 reduction
1-CONTROL sample	2,7	
2-CONTROL sample	3	
3-CONTROL sample	3	

Capillary Water Absorption Test

Sample name & no:	Capillary water absorption coefficient (cm/dk) x 10 ⁻⁶	Test result's average compared to the control sample
1- FS4 applied	0,51	
2- FS4 applied	0,35	
3- FS4 applied	0,44	% 99,27 reduction
Average	0,43	
1-CONTROL sample	58,87	
2-CONTROL sample	55,42	
3-CONTROL sample	63,25	
Average	59,18	

İTÜ Test Report No/Date : 373a/ 16.04.2008



FS/4



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İNKA®

HEALTH & SAFETY

- Contains bitumen and acrylic dispersion. In case 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.
- Tools must be cleaned with water before residues fully cure.

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 or from our regional sales representatives.



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