



TECHNICAL DATA SHEET

AKSILBET FLEX PAINT FOR CONCRETE FLEXIBLE

STANDARDS, CERTIFICATES, APPROVALS, TESTS:

has been granted: THE TECHNICAL APPROVAL OF ROAD AND BRIDGE RESEARCH INSTITUTE

BINDING STANDARD: ZN/2012/AKSIL – 1

COMPLIANCE WITH THE STANDARD: PN-EN 1062-7

HAS BEEN GRANTED: National Institute of Hygiene Certificate

DESCRIPTION OF THE PRODUCT:

AKSILBET FLEX is an acrylic-silicone, water soluble protective-decorative paint with high resistance to weather conditions and excellent adherence to concrete surface. It is based on state of the art raw materials providing the highest quality and flexibility of the layer even at below zero temperatures.

THE SCOPE OF APPLICATION:

AKSILBET FLEX is designed for:

- painting of communication engineering concrete structures where capability of crack bridging is required (e.g. bridges)
- painting of façade, renovation of cracked plaster in particular

CHARACTERISTICS:

- **AKSILBET FLEX** coat is flexible and can cover surface cracks up to 500 millimetres (A3 bridging category (-10°C))
- the coat maintains its flexibility in a wide temperature range, hence the coat follows the movements of a surface and does not crack
- **AKSILBET FLEX** coat closes pores and slits which protects a wall against penetration of moisture and corrosive substances
- the surface is waterproof thanks to silicone ingredient
- **AKSILBET FLEX** is available in a range of colours according to RAL and NCS

SPECIFICATION:

Specification of the product	
viscosity measured with the Ford viscosity cup Ø4 at the temperature of $20 \pm 2^\circ\text{C}$	highest 70 s
density	highest 1.35 g/cm^3
drying time of the coat at the temperature of $20 \pm 2^\circ\text{C}$ and relative humidity $55 \pm 5 \%$: pre drying (for application of the second layer)	after 2 hours

full drying	after 24 hours
quality coating	II
bending Ø2	resistant
resistance to surge from 50 cm	resistant
resistance to water washing out	the coat shows no changes
solid-state substances content	approx. 55%
resistance to pull-off from concrete surface after 28 days with the "pull-off" method according to PN-EN ISO 4624	≤ 2 MPa
water absorption reduction index	≤ 50 %
bridging of cracks, (at -10°C)	A3 class up to 500 microns

USE:

Surface preparation

The surface should well cured, firm, without dust and peeling layers, old paints and free from any contamination. We recommend to wash the surface with water, flush and dry. Smooth surfaces to be roughened.

Mould places, covered with moss, algae to be mechanically cleaned and disinfected. Protective impregnant can be applied, e.g. AKSILUX universal use impregnant.

Painting:

Stir and mix the paint before painting. First layer - dilute the paint with water **3:1** (3 parts of paint: 1 of water), and in case of very dense surface **2:1** (2 parts of paint for 1 part of water).

Second layer to be applied with non-diluted paint.

The paint to be applied with the use of a paintbrush, paint roll or sprayed (pneumatic or hydrodynamic with a air cover).

Use water for cleaning painting equipment.

All painting works should be performed at ambient temperature not lower than 5°C, however recommended temperature is 20 ± 5°C.

Newly applied coat shall be protected against rain and frost.

EFFICIENCY:

consumption depends on the type of the surface to be painted, i.e. its structure, porosity and application method.

Surface type	Spreading rate per 1 litre at single layer	Spreading rate/1 m ² at single layer
Smooth surface, e.g. concrete, plaster, etc.	7-8 m ²	0,125-0,143 l
Very porous surface as light expanded clay aggregate, sawdust concrete	5-6 m ²	0,167 -0,2 l

WARRANTY PERIOD:

24 months from the production date. Store at minimum temperature of +5°C

HSE AND FIRE PROTECTION GUIDELINES

Non flammable

Water soluble paint, safe in use.

Keep away from children.

Rooms shall be ventilated until characteristic odour disappears.

FW Cat. A a and c (30 and 40g/l) – LZO = 22g/l

ENVIROMENT PROTECTION

Residues of liquid product:

Do not flush in a toilet. Reuse to be considered. If not possible, dispose according to binding regulations (hand over to professional services provider).

Waste code: 080112 - waste paint and varnish

Packaging waste:

Empty packaging to be forwarded for reuse or waste disposal.

Waste code: 150102 - plastic packaging

PACKAGING:

Plastic packaging capacity: 20 l, 10 l, 5 l, 3 l, 1l or other agreed with the recipient.



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