

TECHNICAL SHEET



Product name:

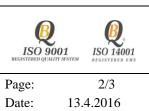
FLEXIDEN 35

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Characteristics:	Elastic water-thinnable acrylic paint					
Description:	The coating applied in a sufficient thickness covers the cracks emerged in the substrate and forms a sufficient barrier against the penetration of carbon dioxide, sulfur dioxide and chloride salts into the substrate, thus protecting the substrate as well as the steel reinforcement in the concrete against corrosion. The paint features excellent dry and wet adhesion to silicate substrates, resistance to UV-radiation and weather conditions. The binder used features the capability of surface netting through the effect of UV radiation, which ensures a low dirt collection of the coating and its color fastness. The coating is very elastic even at temperatures below the freezing point.					
Composition (general):	Mixture based on acrylic dispersion					
Application:	It is used for the protection of reinforced-concrete structures, fiber-cement, cement-bonded fiber and glass-cement components (protective and decoration coatings of reinforced-concrete structures, e.g. bridges, silos, cooling towers, above-ground concrete tanks, chimneys, columns, poles, protective and noise control walls). It is also recommended for substrates where some cracks have occurred or where their occurrence is expected (facade painting).					
Colors:	It is produced according to the color chart of the manufacturer and in the specific colors EUROTREND, NCS and RAL or as agreed.					
Properties:		Paint:				
Density (g/cm ³):		1.3 – 1.4				
Volume solids ON	L (%):	50 - 55				
Weight solids (%):		65 - 70				
KU viscosity:		80 - 120				
Flow time by use of flow cups F6 (s):		> 120				
pH (at 20 °C):		8 - 10				
VOC (volatile orga	anic compounds) (kg/kg):	0.03				
0.006 TOC (total organic carbon content) (kg/kg):		0.02				
Maximum permiss	sible value of VOC content (g/l):	140				
Max. VOC content (g/l):	t in the product in the ready-to-use conditi	ion 42				
Water-thinnable paint category:		A/i single-pack paints with a special function.				
Appearance/color:		Very thick liquid / according to the color				
Gloss value (at 60°):	4.4				
Miscibility:		The mixture is indefinitely miscible with water.				
Drying, degree 1 (s	-	40 min.				
Drying time, degree 2 (dry to touch):		1 hr 45 min.				
Drying time, degre		>24 hrs				
	ring test without movement (MPa):	> 0.8				
Sound absorption		5 (coating on the LIAPOR panel)				
	eability - class I. (m):	Sd < 5 *)				
Carbon dioxide pe		> 50				
	neability $(kg/m^2 \cdot h^{0,5})$:	w < 0.1 *)				
Impact resistance		> 20 *)				
	ee - weight loss (mg):	< 3000				
	ility - class A3 (mm):	> 0.5 *)				
Reaction to fire:		Class F				
Release of dangerous substances:		refer to the safety data sheet of the product				
Chemical resistance:		to frost and 3% solution NaCl (Road and Motorway Directorate)				



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Substrate preparation:	The substrate must be solid, coherent, dry, free from any mechanical and greasy impurities, and residues of old paint incoherent with the substrate. Heavily contaminated substrates are recommended to be washed with pressure water. The substrates should be impregnated with PRIMER B or DENAFLUOR P. Larger cracks and unevenness in the substrate shall be filled with a polymer cement mortar, smaller cracks shall be filled with an elastic acrylic sealant (e.g. OSTAFLEX).					
Application conditions:	The air and substrate temperatures during the application and drying of the paint shall not fall below +5 °C.					
Thinning:	The paint is supplied in a very thick consistency allowing the application in great thickness. It should not be thinned before application.					
Recommended method of application:	With a paint brush, a paint roller or spray painting					
Recommended coating system:	1 x penetration paint PRIMER B and 2 x FLEXIDEN 35.1 x penetration paint DENAFLUOR P and 2 x FLEXIDEN 35.					
Application data:	The paint should be applied with a paint brush, a paint roller or spray painting in two or three layers, with a minimum time lag between coatings of 12 hrs.					
Spreading capacity and recommended thickness:	For common decorative coatings, an optimum thickness of 80 μ m (dry layer / 1 coating) is recommended. For covering substrate cracks (approx. 1 mm), a minimum thickness of the coating of approx. 250-300 μ m is required.					
	Wet-film thickness WFT (µm)	160	500	600		
	Dry-film thickness DFT (μ m) Theoretical spreading rate (m ² /kg)	80 3.0-5.0	250 1.2-1.4	300 1.0-1.1		
	Theoretical spreading rate (m/kg) Theoretical spreading rate (kg/m^2)	0.2-0.3	0.7-0.8	0.9-1.0		
Packaging:	Plastic packages of 1,5 kg - 200 kg.		l	l	<u> </u>	
Storage:	Store in original, well-closed containers in cool, dry and well-ventilated areas at a temperature from +5 to +25 °C. Protect from freezing. Keep the mixture separated from drinks, foodstuff, feedstuff and medicine. Store away from the reach of children. The shelf life is a minimum of 12 months from the date of manufacture. The product must not freeze.					
Disposal of packaging and waste:	Product residues and contaminated packaging shall be disposed of as hazardous waste in accordance with the applicable regulations.					
Safety and hygiene:	Observe the principles of personal hygiene. Ensure good ventilation of the workplace. During application, wear respiratory protection. If on the skin, wash the affected areas with water and soap. If in the eyes: rinse with water. If swallowed, rinse mouth with water, do not induce vomiting. In case of health difficulties, seek medical attention.					
Legislation, certificates, attestations, other	Conforms to the requirements of the Č Declaration of Properties No. 002 Label:	SN EN ISO	1504-2 sta	ndard: Surfa	ace protection systems - coatings	

DENAS	TECHNICAL SHEET	ISO 9001 REGISTERED QUALITY SISTEM	
Product name:	FLEXIDEN 35	Page: 3/3 Date: 13.4.2016	
tested parameters:	Geometric SchedurgeIDENAS COLOR a.s., Sokolovská 1174/17, Bílovec141020-CPR-010-025990EN 1504-2:2004Surface protection systems - coatingsFLEXIDEN 35Abrasion resistance - weight loss: < 3000 mg		