



TECHNICAL SHEET



Product name:

DENASILPage: 1/3
Date: 13.4.2016

Characteristics:	Dispersion paint for concrete and eternit
Description:	Water-thinnable dispersion top paint based on acrylic dispersion containing color-fast pigments, fine extenders, coalescent agents and other ingredients enhancing its properties. As a thinner, it contains water and a small amount of glycol-ether-based solvents; it does not contain any aromatic solvents or white spirit. The paint features great adhesion to silicate substrates, fast drying, low dirt adherence, great resistance to water, detergents, disinfectants, UV radiation, weather and its durability is long.
Composition (general):	Mixture based on acrylic dispersion
Application:	It is used for top coats of concrete, cement-bonded fiber and fiber-cement and other silicate substrates (surface treatments of slates - eternit, concrete, clay roof coverings), coatings of concrete floors, walls and other silicate substrates on the exterior as well as in the interior. Surface protection systems - coatings
Colors:	It is produced according to the color chart of the manufacturer and in the specific colors RAL, EUROTREND, NCS or as agreed.
Properties:	Paint:
Density (g/cm³):	1.1 – 1.3
Volume solids ONL (%):	30 - 45
Weight solids (%):	40 - 55
KU viscosity:	75 - 90
Flow time by use of flow cups F6 (s):	18 - 45
pH (at 20 °C):	9 - 10
VOC (volatile organic compounds) (kg/kg):	0.06 – 0.09
0.006 TOC (total organic carbon content) (kg/kg):	0.03 – 0.06
Maximum permissible value of VOC content (g/l):	140
Max. VOC content in the product in the ready-to-use condition (g/l):	104
Water-thinnable paint category:	A/i - single-pack paints with a special function.
Appearance/color:	liquid
Gloss value (at 60°):	15 - 25
Pendulum hardness (2H/80 °C):	min. 20 %
Adhesion by the grid-cutting method:	degree 0 (cut edges are completely smooth and free of any defects)
Miscibility:	Miscible with water.
Drying, degree 1 (surface dry):	50 min.
Drying time, degree 2 (dry to touch):	1 hr
Drying time, degree 4 (dry-through):	7hrs 20min
Water vapor permeability - class I. (m):	Sd < 5 *)
Carbon dioxide permeability (m):	> 50
Liquid water permeability (kg/m² . h^{0.5}):	w < 0.1 *)
Impact resistance - class III. (Nm):	> 20 *)
Abrasion resistance - weight loss (mg):	< 3000
Consistency by tearing test (b):	> 1.5 *)
Reaction to fire:	class F
Release of dangerous substances:	refer to the safety data sheet of the product
*) - tested as a part of coating systems	
Substrate preparation:	The substrate must be dry, free from any mechanical and greasy impurities, and residues of old paint incoherent with the substrate. Mosses and lichens should be removed from older roof coverings using a suitable chemical agent and subsequent mechanical removal of plant debris. The substrate should be impregnated with the preparations PRIMER B, DENAFUOR P or the primer DENASIL Z. The subsequent coatings follow only after the primer has dried perfectly, no sooner than after 4 hours.



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DENASIL

Page: 2/3
Date: 13.4.2016

Application conditions:	The air and substrate temperatures during the application and drying of the paint shall not fall below +10 °C.												
Thinning:	The paint is prepared for direct application and it shall not be thinned before the application.												
Recommended method of application:	With a paint brush, a paint roller or spray painting												
Recommended coating system:	1 layer impregnation by PRIMER B 1 layer of DENASIL Z 1-3 layers of DENASIL in the minimum lag of 4 hours between coatings. The products PRIMER B or DENAFLUOR P can also be used as the first layer.												
Application data:	The paint should be applied with a paint brush, a paint roller or spray painting in 1, 2 or more layers according to the required look. Subsequent coatings follow only after the primer has dried perfectly, no sooner than 4 hours.												
Spreading capacity and recommended thickness:	<p>The recommended coat thickness ranges from 50 to 100 µm DFT</p> <table border="1"><tr><td>Wet-film thickness WFT (µm)</td><td>125</td><td>230</td></tr><tr><td>Dry-film thickness DFT (µm)</td><td>50</td><td>100</td></tr><tr><td>Theoretical spreading capacity (m²/kg)</td><td>6.40</td><td>3.20</td></tr><tr><td>Theoretical spreading rate (kg/m²)</td><td>0.16</td><td>0.30</td></tr></table>	Wet-film thickness WFT (µm)	125	230	Dry-film thickness DFT (µm)	50	100	Theoretical spreading capacity (m ² /kg)	6.40	3.20	Theoretical spreading rate (kg/m ²)	0.16	0.30
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Packaging:	Plastic or metal containers weighing 0.8 - 200 kg.												
Storage:	Store in original and 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 soap and water. If in 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 ČSN EN ISO 1504-2 standard: Surface protection systems - coatings Declaration of Properties No. 005 Label:												



TECHNICAL SHEET



Product name:

DENASIL

Page: 3/3
Date: 13.4.2016

tested parameters:



1020

DENAS COLOR a.s., Sokolovská 1174/17, Bílovec
14

1020-CPR-010-025990

EN 1504-2:2004

Surface protection systems - coatings

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Abrasion resistance - weight loss: < 3000 mg

Carbon dioxide permeability: > 50 m

Water vapor permeability - class I: Sd < 5 m

Liquid water permeability: w < 0.1 kg/m².h^{0.5}

Consistency by tearing test, without movement: > 0.8 N/mm²

Impact resistance - class III: > 20 Nm

Reaction to fire: class F

Release of dangerous substances: see the Safety data sheet

Declaration of Properties No. 001 **005**