



TECHNICAL SHEET



Product name:

DENAS PRUŽNÁ FASÁDAPage: 1/2
Date: 13.4.2016

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| Characteristics: | Elastic water-thinnable acrylic paint |
| Description: | Single-pack water-thinnable paint featuring excellent dry and wet adhesion to silicate substrates, resistance to UV radiation and the effects of weather and it forms a great barrier against the penetration of thawing salts in the structure. Due to the coat capability of surface netting by UV radiation, the paint features low dirt retention and keeps its color and esthetic effect for a long time. |
| Composition (general): | Mixture based on netting acrylic dispersion containing color-fast inorganic pigments, fine extenders, coalescent agents, rheology modifiers and other ingredients enhancing its properties. |
| Application: | This paint is intended for the painting of facades and substrates with the occurrence of cracks. The coating performed in the required thickness is able to bridge the cracks occurring in the substrate within the whole temperature range of our climatic conditions. It protects the structure against the effects of water and weather, aggressive air substances and thawing salt. The suitable substrates include concretes, plasters, fiber-cement, cement-bonded fiber and glass-cement substrates, stone-brick masonry and other construction materials. |
| 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/cm³): | 1.2 - 1.45 |
| Volume solids ONL (%): | 40 - 50 |
| Weight solids (%): | 50 - 60 |
| KU viscosity: | 80 - 110 |
| Flow time by use of flow cups F6 (s): | > 50 |
| pH (at 20 °C): | 8 - 10 |
| VOC (volatile organic compounds) (kg/kg): | 0.029 |
| 0.006 TOC (total organic carbon content) (kg/kg): | 0.018 |
| Maximum permissible value of VOC content (g/l): | 40 |
| Max. VOC content in the product in the ready-to-use condition (g/l): | 39 |
| Water-thinnable paint category: | A/c coatings for exterior walls of mineral substrate |
| Appearance/color: | Liquid |
| Gloss value (at 60°): | max. 5 |
| Pendulum hardness (2H/80 °C): | min. 5% |
| Adhesion by the grid-cutting method: | degree 0 (cut edges are completely smooth and free of any defects) |
| Drying, degree 1 (surface dry): | 30min |
| Drying time, degree 2 (dry to touch): | 35min |
| Drying time, degree 4 (dry-through): | 1 hr |
| 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 DENAS PENETRACE. Larger cracks and unevenness in the substrate shall be filled with polymer cement mortar, smaller cracks shall be filled with an elastic acrylic sealant (e.g. OSTAFLEX). The paint should be applied to the treated substrates after perfect drying of the impregnating coat and corrections. |
| 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 |



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| Recommended coating system: | 1 x penetration paint DENAS PENETRACE and 2 x DENAS PRUŽNÁ FASÁDA. | | | | | | | | | | | | | | | | |
| 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 0.4-0.5 kg/m ² for 2 layers. For covering substrate cracks (approx. 1 mm), the sufficient thickness of the coating of approx. 250-300 µm at a consumption of 0.7-1.0 kg/m ² is required. <table border="1"><tr><td>Wet-film thickness WFT (µm)</td><td>160</td><td>500</td><td>600</td></tr><tr><td>Dry-film thickness DFT (µm)</td><td>80</td><td>250</td><td>300</td></tr><tr><td>Theoretical spreading rate (m²/kg)</td><td>3.0-5.0</td><td>1.2-1.4</td><td>1.0-1.1</td></tr><tr><td>Theoretical spreading rate (kg/m²)</td><td>0.2-0.3</td><td>0.7-0.8</td><td>0.9-1.0</td></tr></table> | Wet-film thickness WFT (µm) | 160 | 500 | 600 | Dry-film thickness DFT (µm) | 80 | 250 | 300 | Theoretical spreading rate (m ² /kg) | 3.0-5.0 | 1.2-1.4 | 1.0-1.1 | Theoretical spreading rate (kg/m ²) | 0.2-0.3 | 0.7-0.8 | 0.9-1.0 |
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| Packaging: | Plastic containers weighing 1.5 - 200 kg. | | | | | | | | | | | | | | | | |
| 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 soap and water. 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 tested parameters: | See the Declaration of Conformity | | | | | | | | | | | | | | | | |