Roof Expert DS

Acrylic topcoat

TYPE OF PRODUCT	Solvent-borne acrylic resin finishing coating formulated with mica-effect pigments.	
APPLICATION AREA	Designed for the protection of galvanized steel sheet roofs in combination with the Roof Expert MC Primer.	
PROPERTIES	• Good weather resisting • Good resistance against chemical stress • Good resistance against mechanical stress	
TECHNICAL DATA	**Mass density** **Dry solid content** **Viscosity (A4/20/20°C)**	1,18 – 1,28 g/cm^3 55 – 58 % 2000-3000 mPas
APPLICATION DATA	**Application temperature** **Relative air humidity** **Thinning** **Drying (at 20°C and 65% R.H.)**	+5°C do +35°C, optimal by 15-25°C 5% R.H. do 80% R.H.; substrate temperature should be at least 3°C above dew point Ready for use. Do not dilute. Dust dry: cca. 30 min Touch dry: cca. 60 min Recoatable: 24 hours
SURFACE PREPARATION	The substrate must be sound, clean, dry, and free from all contaminants that may impair adhesion, such as oil, grease, dirt, dust, etc. Zinc and galvanized steel substrates must be thoroughly cleaned using Roof Expert Aqua Cleaner and mechanically abraded (matt-sanded) using a synthetic abrasive pad. Prior to use, Roof Expert Aqua Cleaner shall be diluted with water at a ratio of 1:5 to a maximum of 1:20 (Roof Expert Aqua Cleaner : water). After abrasion, the surface must be thoroughly rinsed with clean water to remove all residues, allowed to dry completely, and then primed with Roof Expert MC Primer. Aged, cracked, or poorly adhering coatings shall be completely removed using suitable mechanical methods (wire brush, scraper, or putty knife). Corroded areas must be thoroughly cleaned, sanded to remove rust and loose material, and freed from dust before application of Roof Expert MC Primer. Existing sound and well-adhering coatings should be lightly abraded to provide a matt surface, cleaned to remove dust and sanding residues, and subsequently primed with Roof Expert MC Primer.	
APPLICATION INSTRUCTIONS	If necessary, stir Roof Expert DS using a low-speed mixer to ensure a uniform consistency and colour shade. Apply two coats of Roof Expert DS by airless spray, roller, or brush.	
CLEANING	Clean all tools and application equipment immediately after use with nitro thinner.	
LIMITATIONS	Do not apply under conditions of imminent rain, fog, or storm. Apply only under dry weather conditions. Avoid application to surfaces heated by direct sunlight or exhibiting elevated substrate temperatures. Application under such conditions may cause rapid solvent evaporation, resulting in reduced flow and leveling of the coating material, which may lead to film defects and negatively impact the long-term durability and decorative appearance of the finished coating.	
THEORETICAL CONSUMPTION	0,15 – 0,17 kg/m²/one coat. Practical spreading rate, depends on type of application and object geometry.	
COLOUR AVAILABLE	Roof Expert DS is available in TR base. The product can be tinted according to the RAL colour chart.	
PACKAGING	5 kg i 20 kg	
STORAGE	In dry and good ventilated space at temperatures from +5°C to+30°C. Shelf life: 24 months. Keep from direct sun light.	

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