PUROC TR Mat

Waterborne, 2 pack translucent mat floor coating based on Polyurethane acrylate technology

General

Main properties/ U.S.P.'s	For interior use. Suitable for professional use indoors according Arbo-regulations (Dutch). Excellent mechanical resistance, impact/abrading. Long potlife. Fast drying times. Low odor. Excellent aesthetics.
Use	Water borne floor coating for interior use, suitable as protective or aesthetic sealer over floors and mineral substrates. Is also very suitable for application on walls. Cannot be used in garages and car dealerships.

Application Information

Application conditions	Air temperature: 10 – 30°C. Surface temperature: 5 – 40°C. Product temperature: 10 – 30°C. Relative humidity: maximum 80%. Ventilation is very important in drying of these kinds of water borne products, take precautions for good ventilation, especially at high RV%. The temperature of the substrate needs to be at least 3° above the condensation point in order to avoid building of condense. Do not apply the product during bad weather conditions. Cement based substrates have to be older than 28 days, unless otherwise specified by suppliers.
Application methods	Brush and roller.
Cleaning equipment	Sufficient water.
Advised layer thickness per coat	Brush: Dry: 30 micron = wet 100 micrometer. The layer thickness that can be achieved in practice depends on temperature, ventilation, dilution grade, surface roughness etc.
Coverage	At a dry layer thickness of 30 micron: 12 m²/l. Practical coverage is depending on many factors, like surface roughness, application method, application circumstances etc.
Mixing ratio	**By volume:** Component A: 19 parts. Component B: 1 parts.
Mixing	The components have to be mixed mechanically by means of a slow running (200 r.p.m.) drill fitted with a stirring paddle.
Pot life (20 l set)	At 20°C: 4 hr. After the potlife has ended, the product will not increase in viscosity, it will however, lose its application and film forming properties.

Health & Safety Information

Flash point	Component A: > 100°C. Component B: > 100°C.
Government regulations	The user of this product is required to comply with the national statutory regulations for health and safety at work and waste disposal.
Material safety datasheet	For more information see MSDS of Puroc TR Mat coating components A, B.

Properties

Gloss	Matt, < 20 GU.

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Density	Mixed product: approx. 1,04 kg/dm^3 .
Solids content	Approx. 31 vol. %.
Volatile organic components (VOC)	75 g/l.
Drying at 20˚C/60%RH	Dust dry after: 1 hr. Step proof: ca. 3 hours. Recoatability: minimum 3 hr.
Chemical resistance	Good resistance to common used chemicals and cleaning materials. For detailed information make inquiries to the technical department or ask for chemical resistance list.
Wear resistance	24,8 mg / 1000 cycles (CS17 wheel, 1 kg load, system without anti-skid additives) according DIN-EN-ISO 5470-1.

Additional information

Packaging	2,5 liter set.
Shelf life	In unopened packing minimum 12 months when stored at temperatures of 5 – 30°C.
Colors	Colorless translucent.

Systems

New Build (for achieving 'concrete-look')
Prior to the application of the coating the substrate has to be sound, clean, dry, free of dust and grease. Smooth and very dense substrates have to be roughened by means of dust-free-blasting, sanding or other mechanical means.
Prime coat with Puroc TR Mat, diluted with max. 5%water. This coat should penetrate in the substrate reasonably well.
Apply 2 layers Puroc TR Mat for the optimum concrete-look.

Intact paint layers
Mechanically roughen the substrate with Scotch Brite.
Apply one or more layers of Puroc TR Mat.

Non-intact paint layers
Remove old paint layers with paint stripper and wash afterwards. Treat the object subsequently as a new build substrate.

Remark

During drying, ensure sufficient ventilation because of the evaporation of water.