

Polyurethane Floor Coating

General Description

Polyurethane Floor Coating is a two component, high solids aliphatic polyurethane. This product offers a remarkable combination of performance properties not found in other polymer coatings. Polyurethane Floor Coating produces protective films which are hard, flexible and very impact resistant. These coatings feature high abrasion and scratch resistance, exterior durability, easy soil release and excellent resistance to a broad range of chemicals. For exterior applications, a UV stabilizer package is incorporated to ensure long term chalk resistance and gloss retention. A special accelerator is available when rapid project turnaround is required.

Polyurethane Floor Coating has been designed as a high performance top coat in various protective coating and seamless flooring applications. It provides maximum cleanability and stain resistance when used as a finish coat in color chip flooring or epoxy-quartz flooring. This coating is ideally suited for clean-room floors, automotive repair facilities, aircraft hangars and other high wear areas requiring resistance to fuels and chemicals. When used as a finish coat in wall coating systems, anti-graffiti properties are greatly enhanced.

Composition

Polyester polyol crosslinked with aliphatic polyisocyanate.

Properties

- High adhesion to concrete surfaces
- Good chemical resistance
- High mechanical strength
- Low solvent and environment friendly
- High durability
- Good appearance
- Available as thermal insulator

Technical Data

Solid by Volume	59%
Solid by Weight	62%
Mix Ratio by Volume (A:B)	2:1
Dry Film Thickness	2000-3000 μm
Touch Dry	4-6 Hrs
Dry to Handle	10-12 Hrs
Fully Cured	7 Days
Recoat Interval	10-12 Hrs
Pot Life	2 Hrs

Conditions of Application

Polyurethane Floor Coating is intended to be applied over primed or previously coated surfaces. Do not apply directly to concrete. Surface must be absolutely clean, dry and free from all dirt, wax, oil, chalk, incompatible paint or detergent film. Fully cured, previously coated surfaces must be cleaned and sanded lightly with 80-100 grit sandpaper or otherwise mechanically abraded before recoating. If multiple coats of Polyurethane Floor Coating are applied, apply additional coats as soon as possible. If more than 24 hours has elapsed or the coating cannot be indented with a fingernail, lightly sand surface to ensure intercoat adhesion.

Application

Polyurethane Floor Coating may be applied by brush, roller or airless sprayer by expert applicators.