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TECHNICAL DATA SHEET- URETHANE SEALER

DESCRIPTION AND USE

URETHANE SEALER is a two component, high solids aliphatic polyurethane. This product offers a remarkable combination of performance properties not found in other polymer coatings. **URETHANE SEALER** produces protective films which are hard, flexible and very impact resistant. These coatings feature high abrasion and scratch resistance. For exterior applications, a U.V. stabilizer package is incorporated to insure long term chalk resistance and gloss retention.

URETHANE SEALER 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.

MIXING INSTRUCTIONS

Mix only that amount of material that can be used in a 2 hour period at 77 F. Higher temperatures and the addition of accelerator will reduce work time. In hot weather, mix smaller batches. Combining ratio is 2 part A to 1 part B. Proportion the amount carefully and mix for two full minutes using a slow speed drill, scraping the bottom and the sides of the mixing container. Avoid contamination with moisture.

APPLICATION

URETHANE SEALER may be applied by brush, roller or airless sprayer. Apply at 300-350 sq. ft. per gallon with 3/8" or 1/2" nap roller as a finish coat over primed concrete. May be applied up to 200 sq. ft. per gallon as a fill coat in aggregate-filled flooring systems using a rubber squeegee and back rolling with a 3/8" nap roller. Heavier films will be glossier, thinner applications will be flatter.

PACKAGING

1 gallon kit

TECHNICAL DATA

Mixing Ratio, by volume2-1
Total Solids % wt.:.....63.5%
Total Solids % vol.:..... 58.5%
Viscosity, cps (77 degrees).....500 average
V.O.C.:.....234 grams/liter
Pot Life (77 degrees, 1qt mass).....2 hours
Pot Life (95 degrees, 1qt mass).....1 hour

Dry to Touch..... 4-6 hours
Recoat.....10-12 hours
Light Traffic.....24 hours
Full Cure.....7 days

Pot Life is reduced by increasing temperature and/or mass
Higher temperatures will shorten cure time and lower temperatures will lengthen cure time.

GENERAL INFORMATION

Moisture Vapor Emissions/Alkalinity Precautions
All interior floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Xcel Surfaces and its sales agents will not be responsible for coating failures due to undetected moisture vapor or related high levels of alkalinity.

CAUTION

This product is combustible and the vapor is harmful. Use only with adequate ventilation or appropriate cartridge type respirator.

HANDLING & STORAGE

Read Material Safety Data Sheets before using. Dispose of unused material in accordance with Federal, State and Local regulations. Storage temperature: (45°-85° F). Do not let Product Freeze.

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Xcel Surfaces Urethane Sealer