

ATECH PLUS

Flooring Solutions

UFLOOR® SL

Self-levelling Polyurethane System

- 100% Solids
- Odour Free
- High Temperature Resistant
- High Abrasion Resistant
- Versatile
- Fast Cure
- Can be Applied on Walls

Description

UFLOOR® SL is a 2-component, 100% solids, low/no odor, medium viscosity, polyurethane coating and binder. It cures using chemical cross-linking to form a hard elastic, abrasion-resistant coating and binder for urethane mortars and broadcast systems. UFLOOR® SL has good chemical resistance and outstanding adhesion properties making it the ideal binder for flooring systems.

It can be applied as a coating or as a self level.

This product is also used on garage floors as an excellent abrasion and oil resistant finish.

shot blasting, sandblasting or hydroblasting are recommended to produce a clean and lightly textured surface. When hydroblasting, allow 24 hours for drying.

Priming-UFLOOR® GPX

Mix UFLOOR® GPX according to the data sheet. Apply the primer at the minimum rate of 0.13 mm (wet) using a high quality roller. While the primer is still wet, seed with oven dried quartz aggregate (20 to 40 mesh) at a rate of 0.25 kg /m². Allow primer to cure.

Mixing-UFLOOR® SL

Pre-mix the color component. Then empty contents of component B into component A. Mixing is accomplished by using a jiffy paddle and low speed drill (400-600 rpm) so as not to incorporate excessive air into the product. Mix for 2 minutes, scrape down the sides of the pail, and mix additionally for 1 minute.

Application:

After the substrate has been properly prepared, apply UFLOOR® SL as specified using a roller, notched trowel or squeegee. Back-roll immediately using a high quality roller. For a non-skid finish, broadcast to excess 30 - 70 mesh silica aggregate. Remove excess aggregate after cure. A second coat of UFLOOR® SL can be applied as soon as the first coat becomes tack-free, usually 4 to 8 hours. Allow the system to cure 24 hours prior to exposure to foot traffic and 7 days prior to chemical exposure. If a self level system is desired, apply with a notched trowel to 2-4 mm thickness, taking care to deair, using a spiked roller.

LIMITATIONS

Minimum application temperature 5°C and rising. Do not apply over damp or wet substrates. Do not apply to surfaces with active moisture vapor transmission. New concrete must cure 28 days prior to application of UFLOOR® SL.

STORAGE

UFLOOR® SL should be kept dry and cool. Shelf life of product stored in original containers is 12 months. UFLOOR® SL must be protected against moisture.

TYPICAL PROPERTIES	
Solid Content	100%
Viscosity	2000 cps
Pot Life (25°C)	45 minutes
Tack free Time (25°C)	24 Hours
Final Cure Time (25°C)-Chemical Exposure	7 Days
Shore Hardness (ASTM D2240)	75 Shore D
Elongation (ASTM D412)	10%
Tensile Strength (ASTM D412)	29 MPa

Consumption

0.40 litres per sq.m at 0.38mm thick. Wastage Excluded.

Packaging

Part A = 13.33 Lts.

Part B = 3.28 Lts.

Mix Ratio -> A : B = 100:20 By Weight.

Application Guidelines

Surface Preparation

Surfaces receiving an application of UFLOOR® SL must be clean, sound dry and free of oils and other bound inhibiting contaminants. When applying UFLOOR® SL to a concrete substrate, mechanical methods such as



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Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by ATECH either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not ATECH are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

Safety Precautions

Polyurethane products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

Exclusion Clause

1. The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. ATECH will be under no liability whatsoever whether in:
 - a) Contract or tort (including, without limitation, negligence)
 - b) Breach of statute
 - c) Any other legal or equitable obligation other than the quality of the product at the time of despatch.
2. Any queries about specification use or application should be directed to our technical service department immediately.
3. This exclusion clause does not operate to exclude any warranty that by law may not be excluded.