

ULTRATOP LOFT W

One-component trowellable fine-textured cementitious paste applied in layers up to 2 mm thick to create decorative floors with a trowelled or mottled effect finish



WHERE TO USE

Ultratop LOFT W is the ideal coating product to create decorative internal floors and walls with a marked materic effect. Due to its ease of use, versatility and resistance to abrasion, this formulate is ideal for creating floors subjected to intense pedestrian traffic in areas such as bars, shops, restaurants, hotel lobbies, private homes, cafes, hotels and showrooms, and generally in all areas relating to interior decorating in the civil building sector. The consistency of the product and limited thickness of the coat applied, and the possibility of applying it on vertical surfaces and combining it with a wide range of colours, allows an infinite variety of original and unique coatings to be created.

Typical application examples

- Creating decorative floors in shops.
- Creating decorative floors in residential surroundings.
- Creating decorative coatings on floors, walls and ceilings with a trowelled effect finish.
- Creating decorative floors and walls in bars, cafes and restaurants.
- Creating decorative floors in wellness centres, hotel receptions and showrooms.
- In all areas in the civil building sector where a smooth or textured trowelled effect coating with a cementitious matrix is required.

TECHNICAL CHARACTERISTICS

Ultratop Loft W is a powdered formulate made from special rapid-setting and hydrating binders, graded silica sand, synthetic resin and special additives according to a formulation developed in the MAPEI R&D laboratories. Once mixed, with either water or directly with **Ultratop Easycolor** pigment, it forms a trowellable paste that is easy to apply by hand with a smooth rubber, Teflon or steel trowel. Also, due to the creamy consistency of the product, highly original decorative finishes may be obtained, such as classic trowelled or mottled effects, in a multitude of colour shades. Once hardened **Ultratop Loft W** has good resistance to abrasion.

ADVANTAGES

- Easy to prepare: may be mixed with water only and, if required, coloured by adding specific pre-dispersed pigment **Ultratop Easycolor**.
- Easy to apply with a trowel and dries rapidly.
- Versatile: may be used for both new floors and to refurbish existing floors.
- May be applied on both horizontal and vertical surfaces.
- Suitable for use in both commercial and residential surroundings.
- Coated surfaces may be put into service quickly.

RECOMMENDATIONS

- Do not apply **Ultratop Loft W** on dusty or crumbling surfaces or on surfaces with oil or grease stains;
- Do not add lime, cement, gypsum or other binders to **Ultratop Loft W**.
- Do not apply **Ultratop Loft W** on substrates with capillary rising damp (contact MAPEI Technical Services).
- Do not apply **Ultratop Loft W** if the temperature is lower than +5°C or higher than +35°C.
- Do not apply **Ultratop Loft W** on exterior surfaces.
- **Ultratop Easycolor** is the only product that can be used to colour **Ultratop Loft W**.

APPLICATION PROCEDURE

Substrate preparation

Substrates must be dry, solid and free of dust, loose and detached parts, paint, wax, oil, rust and any other substance which may affect adhesion.

It is very important that the surface is prepared as specified to guarantee the correct application and the best performance from **Ultratop Loft W**.

The most suitable method for preparing the surface is by grinding with a diamond disk and then removing all the dust with a vacuum cleaner. Do not use chemical preparation methods, such as acid rinsing, or aggressive percussion tools; they may damage the substrate.

Any defects present in the substrate, such as holes, pitting, cracking, etc., must be repaired beforehand using either **Eporip**, **Primer SN** or **Mapefloor I 300 SL**, depending on the width and depth of the defects and cracks.

If the substrate needs to be consolidated use **Primer MF**.

If deep hollows or highly deteriorated areas are present on the substrate, repair these areas using **Mapefloor EP19**, three-component epoxy mortar.

Integrate badly damaged joints using the same product.

If any of the above guidelines are not strictly adhered to, the quality of the final surface may be poor.

Priming the substrate

Horizontal surfaces

Once the substrate has been prepared as specified, prime horizontal concrete and/or ceramic surfaces with **Primer SN** reinforced, where required, with **Mapenet 150** (glass fibre mesh) and fully broadcast with **Quartz 0.5**.

Prepare **Primer SN** by pouring component B into component A and blend together with a drill fitted with a spiral mixing attachment at low-speed to form a smooth, even paste. While mixing, add around 20% by weight of **Quartz 0.5** to the mix as soon as it has been prepared and mix again for several minutes to form a smooth, even compound.

Pour the product on the surface of the floor to be coated and spread it out evenly and uniformly using either a smooth trowel or a smooth rake. While the product is still wet, fully broadcast the surface with **Quartz 0.5**.

Once the **Primer SN** has hardened, remove any excess sand with an industrial grade vacuum cleaner.

Vertical surfaces

Non-absorbent vertical surfaces (ceramic, porcelain, etc.), must be treated beforehand by applying a coat of **Primer Grip White** with a brush or roller. Leave the primer to dry before applying **Ultratop Loft W**, depending on the surrounding site conditions and the absorbency of the substrate.

Absorbent vertical surfaces, on the other hand (concrete, render, skim coats and plaster-board walls), must be treated with a coat of **Primer LT**, a specific acrylic resin-based primer, diluted 1:1 or 1:2 by weight with water, depending on the absorbency of the substrate. Leave the primer to dry, depending on the surrounding conditions and absorbency of the substrate, before applying **Ultratop Loft W**.

Preparation of the product

Ultratop Loft W may be prepared as is in its basic "white" and/or "natural" colour by adding water only. Mix the product in a suitable container with 32-35% by weight of clean water with an electric mixer at low-speed until it forms a smooth, lump-free paste.

It is recommended to prepare **Ultratop Loft W** in separate 5 kg batches, because of the high yield of the mixed product.

If, on the other hand, a coloured coating is required, **Ultratop Loft W** may be mixed directly in a clean container large enough for the amount required by adding **Ultratop Easycolor** pre-dispersed pigment only and no water in the following dosage: one 1.5 litre can of **Ultratop Easycolor** every 5 kg of **Ultratop Loft W** (refer to the **Ultratop Easycolor** colour range to see the colour shades available). Please note: clean water at a rate of up to 4% by weight of the cementitious formulate may also be added to the mix, depending on site conditions and the consistency required. Mix the paste with an electric mixer at low-speed to form an evenly coloured, lump-free mix.

The advantage of this system is that it is more practical, very easy to use and allows the two base colours of **Ultratop Loft W** (white and natural), to be pigmented very simply and consistently in an infinite range of shades.

Application of the product

Apply one or more coats of **Ultratop Loft W** with a smooth rubber or Teflon-coated trowel scratching to zero thickness until the effect required is obtained.

In order to form a smooth, uniform surface, that still leaves signs of the product made by the trowelling motion still visible on the hardened surface, sand the surface of **Ultratop Loft W** between each coat and then again after applying the final coat. Each coat must be completely dry before sanding.

Wait until the material is completely dry before sanding the surface between each coat.

We recommend using a single-head sander for this operation with 80 to 200 grit sandpaper, depending on the level of finish required.

Finish

6-24 hours after applying the final coat of **Ultratop Loft W** or **Ultratop Loft F** (which must be completely dry), the surface must be protected and made non-absorbent by applying an undercoat of **Ultratop Base Coat** followed by a finishing product from the **Mapefloor Finish** range.

The most suitable finishing product must be chosen according to the effect or level of wear-resistance required. Please contact MAPEI Technical Services Department for more information.

CLEANING

Remove **Ultratop Loft W** from tools with water while still wet.

CONSUMPTION

0.7-1 kg/m².

PACKAGING

Ultratop Loft W is available in 20 kg bags and in boxes containing 4 x 5 kg Alupacks.

STORAGE

Ultratop Loft W remains stable for 12 months (20 kg bag), and for 24 months (5 kg Alupack), if stored in a dry area. This product conforms to the prescriptions of Reg. (EC) N. 1907/2006 (REACH) - Annex XVII, item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultratop Loft W is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. The product contains special hydraulic binders that when in contact with sweat or other body fluids causes slightly irritant alkaline reactions. It is recommended to use protective gloves and goggles and to take the usual precautions for handling chemicals.

For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values) In compliance with norm: EN 13813:2002, CT - C25-F10 - A9-A2 _{FL} -s1 - A2-s1-d0	
PRODUCT IDENTITY	
Consistency:	fine powder
Colour:	white or natural
Bulk density (kg/m ³):	900
Dry solids content (%):	100
APPLICATION DATA (at +23°C - 50% R.H.)	
Mixing ratio:	approx. 32-35 parts of water per 100 parts by weight of Ultratop Loft W
Density of mix (kg/m ³):	1,600
pH of mix:	11
Application temperature:	+5°C to +35°C

Workability time:	20 mins.			
Setting time:	80 mins.			
Set to foot traffic:	3 hours			
Recoat time:	6 hours			
Waiting time before applying finishing coat:	6 to 24 hours			
FINAL PERFORMANCE				
Performance characteristic	Test method	Requirements according to EN 13813 for cementitious screeds	Performance of product	
Compressive strength:	EN 13892-2	5 < N/mm ² < 80 (after 28 days)	+23°C	
			24 hours	8
			7 days	18
			28 days	25
Flexural strength:	EN 13892-2	1 < N/mm ² < 50 (after 28 days)	+23°C	
			24 hours	5
			7 days	9
			28 days	12
Taber abrasion resistance expressed as loss in weight in grams (H22 disk - 500 g - 200 revs):	ASTM D4060		+23°C	
			7 days	0.7
			28 days	0.5
Böhme abrasion resistance:	EN 13892-3	1.5 < cm ³ /50 cm ² < 22	+23°C	
			28 days	9
Reaction to fire:	EN 13501-1	Value declared by producer	A2 _{FL} -s1 A2-s1-d0	
Castor chair test (type W, 25,000 cycles):	EN 425		Delamination: no Cracks: no	

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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