MAPEI

CT
CEMENTITIOUS SCREEDS
C25-F10
A9-A2fl-s1
A2-s1-d0
MAPEI
IN COMPLIANCE WITH EUROPEAN STANDARDS
EN 13813

CE
EN 13813

Ultratop Loft F



One-component, trowelable coarse-grained cementitious paste applied in layers up to 2 mm thick to create decorative floors with a troweled or mottled effect

WHERE TO USE

Ultratop Loft F is the ideal coating product to create decorative interior floors and walls with a pronounced materic effect.
Thanks to its ease of use, versatility and its resistance to abrasion, this product is ideal for creating floors subjected to intense pedestrian traffic in areas such as shops, restaurants, reception areas, private homes, cafes, hotels and showrooms, and generally in all areas relating to interior decorating in the residential and commercial building sector.
The consistency of the product, reduced thickness of the layer applied, the possibility of being applied also on vertical surfaces and of combining it with a various range of colours, allows an infinite variety of original and unique coatings to be created.

Some application examples

- Creating floors in shopping centres.
- Creating floors in residential areas.
- Creating coatings on floors, walls and ceilings with a troweled effect.
- Creating floors and walls in cafes and restaurants.
- Creating floors in wellness centres, hotel receptions and showrooms.
- In all areas in the residential and commercial building sector where a smooth and mottled effect with a cementitious matrix is required.

TECHNICAL CHARACTERISTICS

Ultratop Loft F is a powdered formulate made from special rapid setting and hydrating binders, graded silica sand, synthetic resin and special admixtures according to a formulation developed in the MAPEI R&D laboratories.

When mixed with water it forms a non-self levelling, trowelable paste which is easy to apply by hand with a smooth Teflon-coated trowel, rubber or steel trowel. The special colouring agent **Ultratop Color Paste** may be added to **Ultratop Loft F** during mixing to obtain an infinite variety of colours.

Also, due to the creamy consistency of the product, highly original decorative finishes may be obtained, such as classic troweled or mottled effects, in a multitude of shades.

Once hardened **Ultratop Loft F** has good resistance to abrasion.

ADVANTAGES

- Easy to prepare. Just mix with water and, if required, add special **Ultratop Color Paste** to get the colour required.
- Easy to apply by trowel and dries rapidly.
- Versatile: may be used for both new floors and to refurbish existing floors.
- It can be applied on both horizontal and vertical surfaces.
- Suitable for use in both commercial and residential areas.
- May be tinted with the special colouring agent **Ultratop Color Paste**.
- Treated surfaces are ready for use quickly.

RECOMMENDATIONS

- Do not apply **Ultratop Loft F** on dusty or crumbling

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

APPLICATION PROCEDURE

Preparation of the substrate

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 according to specification to guarantee correct application and the best performance of **Ultratop Loft F**.
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, to prevent damaging the substrate.
Repair defects, such as holes, pitting, cracking, etc., with **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**.
Repair deep hollows or highly deteriorated areas on the surface of the floor with **Mapefloor EP19**, three-component epoxy mortar.
Reconstruct highly deteriorated joints using the same products.
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

Following the mechanical preparation treatment, prime concrete and/or ceramic horizontal surfaces with **Primer SN** reinforced, where required, with **Mapenet 150** (glass fibre mesh) and blinded with **Quartz 0.5**.
Prepare **Primer SN** by pouring component B into component A and blend together with a drill with a spiral mixing attachment at low speed to form a smooth, even paste. While mixing, add approx. 20% by weight of **Quartz 0.5** to the paste as soon as it has been prepared and continue mixing for several minutes to form a smooth, even compound.
Pour the product onto the floor to be coated and spread it out evenly and uniformly using a smooth trowel or a smooth rake. While the product is still wet, blind the surface with **Quartz 0.5**.
Once the **Primer SN** has hardened, remove excess sand with an industrial vacuum cleaner.

Vertical surfaces

Non-absorbent vertical surfaces (such as ceramic, porcelain tiles etc.), must be primed beforehand by applying a coat of **Primer Grip White** with a brush or a roller. Leave the primer to dry before applying **Ultratop Loft F**. Drying times depend on the surrounding conditions and absorbency of the substrate.
Treat absorbent vertical surfaces (concrete, render, skim coats and plaster-board walls), 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 F**.

Preparation of the product

Mix **Ultratop Loft F** with 25-29% by weight of clean water in a suitable container using an electric mixer at low speed to form a smooth, lump-free paste. If you wish to colour **Ultratop Loft F**, add the special **Ultratop Color Paste** to the mixing water and stir before adding and mixing in the **Ultratop Loft F**. Because of its high yield, we recommend preparing **Ultratop Loft F** in 5 kg batches.

Application of the product

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

In order to form a smooth, even finish, with signs of the product made by the trowelling motion still visible on the hardened surface, sand the surface of **Ultratop Loft F** between each coat and then after applying the final coat, which may also be a coat of **Ultratop Loft W**.

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

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

Finishing coat

6-24 hours after applying the final coat of **Ultratop Loft F** or **Ultratop Loft W** (it has to be dry), apply a finishing product from the **Mapefloor Finish** range to protect the surface and to make it non-absorbent.
The most suitable finishing product must be chosen according to the effect or level of wear-resistance required. Please contact the MAPEI Technical Services for information.

Cleaning

Remove **Ultratop Loft F** from tools with water while still fresh.

CONSUMPTION

0.7-1.0 kg/m^2.

PACKAGING

Ultratop Loft F is supplied in 20 kg bags and in 4x5 kg Alupack boxes.

TECHNICAL DATA (typical values)

In compliance with European norm: **EN 13813:2002, CT - C25 - F10 - A9-$A2_{fl}$-s1 - A2-s1-d0**

PRODUCT IDENTITY	
Consistency:	powder
Colour:	white and natural
Bulk density (kg/m^3):	1,100
Dry solids content (%):	100
APPLICATION DATA (at +23°C - 50% R.H.)	
Mixing ratio:	approx. 25-29 parts of water per 100 parts by weight of **Ultratop Loft F**
Density of mix (kg/m^3):	1,600
pH of mix:	11
Application temperature:	from +5°C to +35°C
Workability time:	20 mins.
Setting time:	80 mins.
Set to foot traffic:	3 hours
Waiting time before applying second coat:	6 hours
Waiting time before applying finishing coat:	from 6 to 24 hours

FINAL PERFORMANCE DATA

Performance characteristic	Test method	Requirements according to EN 13813 for cementitious screeds	Performamce of product	
Compressive strength:	EN 13892-2	5 < N/mm^2 < 80 (28 days)	+ 23°C	
			24 h	8
			7 days	18
			28 days	25
Flexural strength:	EN 13892-2	1 < N/mm^2 < 50 (28 days)	+ 23°C	
			24 h	4
			7 days	8
			28 days	10
Abrasion resistance Taber abrasion-meter (H22 disk, 500 g, 200 revs), expressed as loss in weight (g):	ASTM D4060		+ 23°C	
			7 days	0.7
			28 days	0.5
Abrasion resistance (Böhme test):	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, n. cycles 25000):	EN 425		Delamination: no Cracks: no	

Ultratop Loft F



STORAGE

Ultratop Loft F remains stable for 12 months if stored in a dry place.
The product complies with the conditions of Annex XVII to Regulation (EC) N° 1907/2006 (REACH) - item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultratop Loft F contains cement that, when in contact with sweat or other body fluids, causes irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to the eyes.
During use, wear protective gloves and goggles and take the usual precautions for handling chemicals.
In case of contact with the eyes or the skin wash immediately with plenty of water and seek medical attention.
For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

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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Our Commitment To The Environment
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
GREEN INNOVATION

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