MAPE-MOSAIC

Decorative and Protective thin coat coloured quartz render for internal and external use. Durable render with high impact resistance.



WHERE TO USE

Silicone-acrylic resin based render with coloured quartz aggregate, ready-to-use. It gives unique colour compositions, the product is suitable both for internal and external applications.

Some application examples

- Render coating in **Mapetherm**® system
- Decorative finishing coating for mineral substrates, such as:
  - concrete;
  - traditional renders (cement, cement-lime or gypsum-based renders);
  - gypsum renders and plasterboards.

TECHNICAL CHARACTERISITCS

Once dried, **Mape-Mosaic** render is characterized by high mechanical strength. **Mape-Mosaic** is recommended in particular for building plinths, retaining walls, columns and other architectural elements exposed to high mechanical stress such as pedestrian areas and corridors. **Mape-Mosaic** is algae and mould-resistant with **BioBlock**® technology.

RECOMMENDATIONS

- Apply on dry and well-cured substrates.
- Apply at temperatures between +5°C and +30°C.
- Apply when relative humidity level is below 80% (at temperatures below 15°C humidity should not be higher than 65%).
- Do not apply in rainy or windy weather conditions, and on facades exposed to direct sunlight.
- Keep the working area safe using safety mesh during application and curing process of the product.
- Refer to paragraph „Safety instructions for preparation and application".
- Use ready-to-use product prepared (mixed) over a similar time period. Do not keep already mixed **Mape-Mosaic** for a long time in order to avoid possible colour darkening. Always check color compatibility before application.
- Use the same batch of **Mape-Mosaic** in the same jobsite area. **Mape-Mosaic** is made of coloured granulates that can slightly differ batch to batch.
- Avoid application of a freshly mixed product as the risk of foaming is high.

APPLICATION PROCEDURE

Preparing the substrate

The substrate for plastering should be well bonded, sound, clean and dry. The surface should be even, free of traces of dust, oils, paints and other coats with poor adhesion.
We recommend to wash the surface of old renders with water in the first place.
Fresh plasters or fillers should be completely bonded and cured. Any cracks should be sealed and repaired with **Mapetherm** mortars. The substrate should be first primed with **Universal Base Coat**, in a similar colour as plaster, min. 12-24 hours before **Mape-Mosaic** coating is applied. **Mape-Mosaic** can be applied directly on non-absorbent substrates covered with uniform paint coating with still good adhesion. It is recommended that all elements, such as window frames, surface of tiles etc., are protected before plastering works are carried out.

Preparing the product

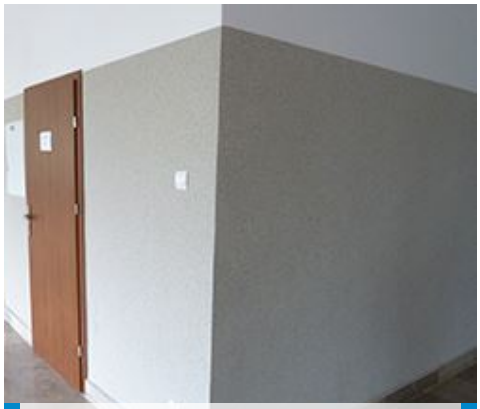
Mape-Mosaic is ready-to-use, but directly before application must be stirred with a low-speed mixer to achieve a homogenous consistency. Avoid long term stirring not to damage the natural sand (aggregates). Long and too intensive stirring may lead to discoloration and excessive air in the product. You should not exceed the stirring time which amounts to max. 2 minutes.

Applying the product

Apply **Mape-Mosaic** with a smooth trowel made of stainless steel, to the thickness of aggregate. Smooth the applied layer in the same direction until an even, uniform surface is obtained. Plastering should be carried out and surfaces should be smoothed with the same tool and the same way on the entire surface. Plastering on a separate surface must be carried out in a continuous manner.
Subsequent working surfaces should be combined while wet. The temperature range for applying and curing the product is between +5°C and +30°C and the relative humidity should not exceed 80% (the higher the temperature, the higher the humidity can be).
Avoid applying the product during windy weather and exposing the wall to direct sunlight. Protect freshly applied product from downfalls until it is fully hardened.



An example of Mape-Mosaic applied on a wall



An example of Mape-Mosaic applied on a wall in a passageway



Mape-Mosaic as aesthetic finish coating on marble stairs

CLEANING

Tools used for application should be cleaned with water before **Mape-Mosaic** dries.

CONSUMPTION DEPENDING ON GRAIN SIZE

Mape-Mosaic 1.2 mm: approx. 3.5 kg/m^2
Mape-Mosaic 1.6 mm: approx. 4.5 kg/m^2.

Consumption is highly influenced by the roughness of the substrate, skillfulness of the contractors, weather conditions etc.

PACKAGING

Mape-Mosaic is supplied in 20 kg plastic buckets.

STORAGE

24 months if stored in a dry place, kept far from heat sources, at a temperature range from +5°C to +30°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT CHARACTERISTICS	
Consistency:	paste
Colour:	according to manufacturer`s range of colours or to customer`s choice
Bulk density:	approx. 1.8 g/cm^3

APPLICATION DATA (at +23°C - 50% R.H.)	
Preparing the product:	ready-to-use
Mixing procedure:	short mixing time - up to 2 minutes
Application tools:	stainless steel trowel
Application temperature range:	from +5°C to +30°C
Consumption:	1.2 mm: approx. 3.5 kg/m^2 1.6 mm: approx. 4.5 kg/m^2
Drying time:	min. 48 h in the open air

PERFORMANCE ACCORDING TO CE MARKING AND EN 15824 SPECIFICATIONS FOR EXTERNAL RENDERS AND INTERNAL PLASTERS BASED ON ORGANIC BINDERS	
Water vapour permeability according to EN ISO 7783:	V_2
Water absorption according to EN 1062-3:	W_2

Bond strength according to EN 1542:	≥ 0,3 MPa
Durability according to EN 13687-3:	≥ 0,3 MPa
Thermal conductivity coefficient according to EN 1745:	0.89 W/mK
Reaction to fire according to EN 13501-1:	class B-s1, d0

Recommended colours of priming agents

Mape-Mosaic code	Colour of priminga agent
8701	1049
8702	1049
8703	1049
8704	1049
8705	0000
8706	0000
8707	1191
8708	1191
8709	1153
8710	1153
8711	1078
8712	1078
8713	1078
8714	1058
8715	1058
8716	1112
8717	1112
8718	1112
8719	1078
8720	1180
8721	1180
8722	1079
8723	1079
8724	1049
8725	1193
8726	1193
8727	1084
8728	1084
8729	1170
8730	1170
8731	1005
8732	1005
8733	1005
8734	1005
8735	1003
8736	1003
8737	1290
8738	1290
8739	0000
8740	0000
8741	1243
8742	1252
8743	1007
8744	1036
8745	1036
8746	1005
8747	1003
8748	0000
8749	1107
8750	1107

8751	1107
8752	1107
8753	1048
8754	0000
8755	0000
8756	1048

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website www.mapei.com.
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