

grafico®

WALLS

mosaicodigitale

PRODUCT DATA SHEET &
INSTALLATION INSTRUCTIONS

INSTALLATION - GLUE/GROUT

SUGGESTED PRODUCTS OPTION 1:

GLUE

Interiors MAPEI Adesilex VS45 (or similar)

Outdoor and/or humid environments MAPEI Keralastic T (or similar).

GROUT

MAPEI Keracolour FF mixed with MAPEI FUGOLASTIC @ 30% MIX (or similar)



SUGGESTED PRODUCTS OPTION 2: *“Fix and grout in one step”*

GLUE/GROUT: DAVCO GLASS MOSAIC ADDITIVE + DAVCO SANITIZED GROUT

Designed to be used in conjunction with Davco Sanitized® Colorgrout or Davco Elite ColourGrout to fix and grout most types of mosaic tiles. Suitable for interior and exterior applications.

Commercial and domestic walls.

This method allows the tiler to fix and grout in one step saving time



APPLICATION OF MOSAICO DIGITALE

Before you start it is suggested to lay out the tiles in an area and review the supplied map showing each numbered row. Check the map/design for 'bleed' and ensure the 'bleed' is not installed to the wall.

- If applying "Mosaico Digitale" to existing tiles, make sure the surface is free of dust, paints, waxes and oils prior to installation.
- Fill the joints of the old tiles with the same glue used for the mosaic application and level it perfectly
- If you are applying the mosaic directly either to plastered or drywalls, make sure the surface is smooth and flat
- Mark on the wall the guideline for application of the first row of tiles
- Spread glue evenly with a thinly notched trowel. As "Mosaico Digitale" is thin and lightweight only a thin coat of glue is required
- The clear application tape over the tiles are there to protect the face of the tiles. Many tilers prefer to remove the tape prior to adhering the mosaics to the wall.
- Soon after application press immediately the tiles with a soft roller to help them adhere well
- Whilst the adhesive is still fresh, clean off glue residue with a soft wet sponge
- Apply each sheet next to each other taking time to ensure each 'panel' of mosaics is evenly placed
- If you need to cut the tiles you can do this using industrial scissors or a utility knife
- The room temperature should not exceed 35deg. C

GROUTING OF MOSAICO DIGITALE

- Before applying the grout allow the adhesive to dry and ensure the instructions on the packaging of the glue/grout has been followed
- Make the grout mixture as per the manufacturers specifications
- Use the mixture while still fresh as dry grout can scratch the surface of the tiles
- Fill the joints completely and thoroughly with a rubber spatula to avoid irregularities
- Remove the excess grout before drying
- Wipe surface clean with a soft clean cloth or damp tilers sponge
- NEVER use epoxy materials for grouting mosaics. If not used properly these materials can make the resin turn opaque with irreversible damage

MOSAICO DIGITALE

The tiles are very thin (2mm), very light (1,2kg/m²) and customizable in shapes, dimensions and colors.



THIN



LIGHT



CUSTOMIZABLE



RESISTANCE



LONG-LASTING

MOSAICO DIGITALE

WARRANTY CERTIFICATE

Dear Customer,

PEPE&CON s.r.l. thanks to its expertise and its innovative technologies, manufactures resin products of extreme quality, integrity, reliability and durability, certified by accredited institutions.

Therefore PEPE&CON s.r.l. hereby confirms that the product Mosaico Digitale® you have purchased is being designed and manufactured as per the international standards. PEPE&CON s.r.l. also warranties that the product is free of any defect in material workmanship. The period of warranty is of 10 years from the date of purchase. Would you notice

any defect within the above said period, we will repair or replace it at no additional charge. Product only will be replaced excluding installation costs

PEPE&CON s.r.l. will not have any liability or obligation under this limited warranty in case of:

- Any defect caused by misuse or abuse of the product;
- Damage due to mechanical trauma accidentally produced by misuse;
- Accidental falls of blunt instruments;
- Damage caused by natural disasters;
- Damage caused by unauthorized modification;
- Defects caused by improper storage of the product.

MOSAICODIGITALE

AUTOMOTIVE TESTS

OUTDOOR RESISTANCE

Florida Test	SAE J 1976	Direct Inland ,45°South	Good (after 1 year)
Arizona Test	SAE J 1976	Direct Weathering , 45° South	Very Good (after 1 year)
Xenon WOM	SAE J1960-89 2000h	65°C- cycle 102minUV+ 18 min. UV/waterspray	no color change, minimal gloss change
Weatherometer QUV-B	SAE J 2020	1000h (8hUV 60°-4hcond.50° C)	no color change, minimal gloss change
Weatherometer QUV-A	SAE J 2020	2000h (8hUV 70°-4hcond.50° C)	no color change, minimal gloss change

CHEMICAL WATER RESISTANCE

Fuel Resistance	G.M.6073	immersion	No gloss change/No degradation
Acid Resistance	MS-CG12	Spot Test 0.5-10% conc.	No gloss change/No degradation
Solvent Resistance	GM 6121 M	Various types of used chemicals	No gloss change/No degradation
Water Immersion	WSK-M3G178	240 h.@ 45°C	No gloss change/No degradation
Salt Spray Resistance	ASTM B117-95	2000 h @38°C 5% NaCl	No gloss change/No degradation
Humidity Resistance	MS-CG12	250h @ 40°C 100% R.H.	No gloss change/No degradation
Environmental Cycle	G.M.6073	Three Cycles	No gloss change/No degradation

MOSAICOdigitale

AUTOMOTIVE TESTS

HEAT RESISTANCE

Heat Resistance	MS-CG12	250 h @ 80°C	No gloss change/No degradation
High Temperature Resistance	G.M.6073	60 min. @ 93°C.	No gloss change/No degradation
Thermal Shock	ESK-M99P16-A:3.5.5	16h.@40°C+ water@70°C/10cycles	No gloss change/No degradation

ABRASION RESISTANCE

Stone Chip Resistance	SAE J400:85	0.47L of 250-300 graded gravel fired @sample @480KPa in 5-10s	Chipping rating 10- No chipping to substrate
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FLAMMABILITY RESISTANCE

Flammability Resistance	FMVSS 302	ISO 3795	Flame self extinguishing
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MOSAICODIGITALE

FLAMMABILITY TESTS PERFORMED ON DOMING SYSTEM

Ignition Test performed on liquid components :

Polyol (LCR... or MF...) Flash Point > 175 °C

Isocyanate (DK...) Flash Point > 200°C

Flammability Tests performed on cured material :

We can confirm you following information about Flammability Test performed on our doming System:

UL 94 norm (American norm related to flammability of materials). We tried to check a resin specimen at thickness 3 mm towards horizontal and vertical burning test.

According to vertical test , the resin failed but according to horizontal burning test, the resin specimen stops the flame after few seconds.

According to this test result , we can classify the polymerized doming resin as rate **UL94-HB** at thickness 3mm. Please note however that flammability test has to be performed on the whole domed label: it means hat also the support, back adhesive and inks have to answer to requests of UL94.

Consider that PVC supports at low plasticizer content, show the better performance as flame extinguishing behaviour.

Flammability Test performed by Ford

Regarding another flammability test performed by Ford for automotive materials, we can confirm that our resin can be classified as self extinguishing .

Reference Ford method is FMVSS 302 that refers to ISO 3795 norm.

mosaicodigitale

CLASSES OF MEMBERSHIP

Product classified: **Class 1**

cfr3280.203

Combustible interior wall finishes, other than foamed plastics, are permitted in a building required to be of noncombustible construction provided they are not more than 25 mm thick, and have a flame-spread rating not more than 150 on any exposed surface, or any surface that would be exposed by cutting through the material in any direction.

Flame spread limitation and fire protections requirements

Red List

Our company certifies, our product does not contain materials present in the red list. Also our product is certified to be in contact with food.

MOSAICO DIGITALE

CLASSES OF MEMBERSHIP

Product classified: **Class 1**

Mosaic in resin polyurethane flame-retardant in class 1.

Description

Application on the wall with grout Mapei Mosaico Digitale is a wallcovering composed of polyurethane resin flame-retardant in class 1. It resists to fire in line with the Italian law of 6th March 1992 implementing the UNI 9796 standard. Class reaction to fire attributed to these artifacts is equal to 1.

This technical sheet has been drawn up in compliance with the manufacturer's declaration as per the UNI 9796/CNVVF/CCI law.

Characteristics

Mixture ratio	1/1
Application temperature	+10°C ÷ +25°C
Application	roller 6 mm / brush / spray
Thinning (if necessary)	DMC 50 thinner
Coverage	450 g/m ²
Dust dry	1 h 30' ⁽¹⁾
Fingerprint dry	6 h ⁽¹⁾
Pot-Life	3 h ⁽¹⁾
Sandpapering	24 h ⁽¹⁾
Gloss level	90 gloss ⁽²⁾
Chemical and physical characteristics	good
Coating	excellent

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