

FLEXCOLOR 4 LVT

Ready-to-use grout for Luxury Vinyl Tiles



WHERE TO USE

Use for grouting residential and light commercial interior installations of LVT ("Luxury Vinyl Tiles").

TECHNICAL CHARACTERISTICS

Flexcolor 4 LVT is a polymer dispersion grout with mineral fillers and special additives. It is supplied as a ready-mixed paste with special rheological properties that makes it easy to apply.

Flexcolor 4 LVT sets through evaporation of its water content. Once hardened, becomes flexible with a high bond strength which is resistant to vibration and the deformation of building materials. These characteristics make it particularly suitable for grouting LVT.

Flexcolor 4 LVT may be used to grout joints from 2 to 5 mm wide.

Flexcolor 4 LVT is easy to apply, remove and clean from the surface of the LVT. Once dry, it has a uniform colour, a smooth and compact finish, and with reduced water absorption thanks to the particular DropEffect® Technology.

The innovative BioBlock® technology, blocks the formation at the root of micro-organism which cause mould.

Flexcolor 4 LVT is harmless to the health of the installer and the end users and certified as product with very low emission of volatile organic compounds (EMICODE EC1) by GEV Institute.

RECOMMENDATIONS

- Do not use on exterior floors.
- Do not use to grout joints which are continuously immersed in water.
- Use only at temperatures between +5°C and +35°C.

APPLICATION PROCEDURES

Filling joints

Make sure the adhesive used for bonding the LVT is dry. Grout joints must be clean and dry.

Mix the product manually before use. Fill the joints with **Flexcolor 4 LVT** using a special MAPEI rubber trowel. Do not leave any gaps or steps, and apply to create a smooth finish. Immediately remove excess grout by moving the edge of the float diagonally across the joint.

Clean-up and finishing

15-20 minutes after applying the product, depending on the surrounding temperature, and once a thin film has started to form on the surface, remove remains of **Flexcolor 4 LVT** by going over the grouted joints with a damp sponge in a circular motion.

Rinse the sponge frequently, using two different containers of water: one to remove the excess mix from the pad, and the other, containing clean water, to rinse the pad.

Traces of product still visible after a few hours may be removed with a damp Scotch-Brite® pad.

The final clean up may be carried out the day after grouting using a dry cloth or Scotch-Brite® to wipe off any remaining grout haze from the LVT tiles. If needed, a liquid cleaner such as **Kerapoxy Cleaner** may be used.



Spreading Ultrabond Eco 4 LVT and bonding LVT tiles with wide joints and spacers



Bonding LVT tiles with Ultrabond Eco 4 LVT



Grouting the joints with Flexcolor 4 LVT



Removing traces of Flexcolor 4 LVT with a sponge from the surface of the tiles



Removing traces of product visible after a few hours with a Scotch-Brite® pad



Final cleaning operation with Kerapoxy Cleaner

SET TO LIGHT FOOT TRAFFIC

Floors are ready for light foot traffic after approx. 24-36 hours.

READY FOR USE

Surfaces grouted with **Flexcolor 4 LVT** may be put into service after approx. 72 hours.

CONSUMPTION

Consumption rates vary according to the width of the joints and the size of the plates size of the plates (see table overleaf).

PACKAGING

Flexcolor 4 LVT is available in 5 kg plastic tubs.

COLOURS AVAILABLE

Flexcolor 4 LVT is available in 120 (black), 112 (medium grey), 130 (jasmine), 114 (anthracite), 134 (silk), 146 (rich brown).

STORAGE

Flexcolor 4 LVT may be stored for 12 months in its original sealed packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Flexcolor 4 LVT is not considered dangerous according to the current regulations regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for the handling of chemicals.

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.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	thick paste
Bulk density (g/cm³):	1.6
EMICODE:	EC1 - very low emission
APPLICATION DATA (at +23°C - 50% R.H.)	
Waiting time for grouting after laying:	24 hours
Waiting time before finishing operation:	15-20 minutes
Set to light foot traffic:	24-36 hours
Ready for use:	approx. 72 hours
Application temperature range:	from +5°C to +35°C
FINAL PERFORMANCES	
Resistance to humidity:	good
Resistance to ageing:	good
Resistance to solvents, oils and alkalis:	fair
Resistance to acids:	fair

CONSUMPTION TABLE (kg/m²) ACCORDING TO THE FORMAT OF THE PLATE/PLANK AND THE SIZE OF THE JOINTS				
Size of plate/slat (mm)	Width of joint (mm)			
	2	3	4	5
300x300x2	0.04	0.06	0.09	0.11
300x600x2	0.32	0.05	0.06	0.08
300x900x2	0.03	0.04	0.06	0.07
450x450x2	0.03	0.04	0.06	0.07
450x900x2	0.02	0.03	0.04	0.05
500x500x2	0.03	0.04	0.05	0.06

600x600x2	0.02	0.03	0.04	0.05
600x900x2	0.02	0.03	0.04	0.04
300x300x2.5	0.05	0.08	0.11	0.13
300x600x2.5	0.04	0.06	0.08	0.10
300x900x2.5	0.04	0.05	0.07	0.09
450x450x2.5	0.04	0.05	0.07	0.09
450x900x2.5	0.03	0.04	0.05	0.07
500x500x2.5	0.03	0.05	0.06	0.08
600x600x2.5	0.03	0.04	0.05	0.07
600x900x2.5	0.02	0.03	0.04	0.06
100x900x2	0.07	0.11	0.14	0.18
150x900x2	0.05	0.07	0.10	0.12
160x1000x2	0.05	0.07	0.09	0.12
160x1200x2	0.05	0.07	0.09	0.11
180x1200x2	0.04	0.06	0.08	0.10
180x1400x2	0.04	0.06	0.08	0.10
200x1200x2	0.04	0.06	0.07	0.09
220x900x2	0.04	0.05	0.07	0.09
220x1200x2	0.03	0.05	0.07	0.09
250x1200x2	0.03	0.05	0.06	0.08
100x900x2.5	0.09	0.13	0.18	0.22
150x900x2.5	0.06	0.09	0.12	0.16
160x1000x2.5	0.06	0.09	0.12	0.15
160x1200x2.5	0.06	0.09	0.11	0.14
180x1200x2.5	0.05	0.08	0.10	0.13
180x1400x2.5	0.05	0.08	0.10	0.13
200x1200x2.5	0.05	0.07	0.09	0.12

220x900x2.5	0.05	0.07	0.09	0.11
220x1200x2.5	0.04	0.06	0.09	0.11
250x1200x2.5	0.04	0.06	0.08	0.10

FORMULA TO CALCULATE CONSUMPTION

$\frac{(A + B)}{(A \times B)} \times C \times D \times 1.6 = \frac{\text{kg}}{\text{m}^2}$	A = width of plate/slat (mm) B = length of plate/slat (mm) C = thickness of plate/slat (mm) D = width of joint (mm)
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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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