



Areas of Use

Used for masonry construction with bricks, concrete blocks and pumice blocks.

Advantages

- Ready to use.
- Saves time and labour compared with conventional masonry mortar.
- Provides convenient application with sufficient working time.

Application

DUVAREL® is mixed manually (4-5 L water / 25 kg bag).

Mortar preparation:

- First pour the water into a plastic container, then add DUVAREL® and mix.
- Allow to rest for 5 minutes, then remix until a homogeneous consistency is obtained.

Apply the prepared mortar to horizontal and vertical surfaces with a trowel. Position the masonry units by tapping them from the top and sides with a mallet.

During masonry construction, the junctions between masonry units and columns or shear walls should be formed using DUVAREL®.

Consumption

Consumption values for commonly used masonry unit sizes, based on a 1 cm mortar thickness, are given below.

(For other sizes, refer to the "Masonry Mortar Consumption Calculation" at the back of the catalogue.)

Material	Width (mm)	Length (mm)	Height (mm)	Consumption (kg/m ²)
Brick	85	190	190	13
Brick	135	190	190	20
Insulating Brick	145	240	235	17
Concrete Block	190	240	235	22
Pumice Block	190	390	195	20
Pumice Block	150	390	185	17
Pumice Block	190	390	185	21



Technical Values

Density, kg/m ³	1400 ± 200
Working Time, min	≥ 100
Correction Time, min	≥ 4
Compressive Strength, N/mm ²	≥ 5,0 (M 5)
Maximum Grain Size, mm	≤ 2
Water Absorption, kg/m ² ·min ^{0,5}	≤ 2,5
Water Vapour Permeability Coefficient (μ)	5/20
Reaction to Fire	A1

Packaging and Storage

- Supplied on pallets in 25 kg kraft bags.
- When stored unopened in its original packaging in a dry, frost-free environment, stacked no more than 8 bags high and without direct contact with the ground, the shelf life is 1 year from the date of manufacture. Once opened, the bag should be consumed within 1 week.

Warnings

- The surfaces of the masonry units must be clean.
- Do not add any foreign material (lime, cement, gypsum, etc.) to the prepared mortar.
- Application is recommended at temperatures between +5 °C and +35 °C.
- Do not use outside the specified areas of application or contrary to the application instructions.
- As this is a cement-based material, avoid direct inhalation.
- Request the product Safety Data Sheet for further information.
- Please consult us regarding all other application conditions and technical questions.

Certificate of Conformity



TS EN 998-2 / January 2017

Type T (Thin-Layer Masonry Mortar)

Public Works Item No: 10.130.2499