BARiT® FLOORS WITH PRECISION

BARiT HEAT-INSULATING AND LIGHT ADJUSTMENT | Floor construction

DEFINITION AND PURPOSE

4-1 = The new lightweight and rapid compensations by BARiT connect the four main properties of floor construction: light weight, fast readiness, inert insulation and simple installation.
Vitmolit and Vitmopox are ideal as super fast levelling layers between wooden and brick coffered ceilings, vaulted and concrete in new ceilings in new builds and renovations.
Both levelling layers serve as subfloors in static, temporal, impact noise and thermal insulation requirements.

FEATURES

VITMOLIT consists of recyclable, lightweight granules, which are bound together with a special, quick-setting cement. Due to its material properties, Vitmolit is free of shrinkage and bonds as a leveling layer with an inert thermal insulation and compression strength of 10 N / mm ². Structural processing is done in the same way as for standard, conventionally produced cement flooring.

VITMOPOX consists of recyclable, lightweight granules, which are bound together with a solvent-free, epoxy resin and has a weight of <350 kg/m2.

Vitmolit and Vitmopox are installed with layer thicknesses from a minimum of 15 mm to a maximum of 50 mm. Thicker layers up to 350 mm can be achieved with multiply applied layers. This leveling layer is accessible after only a few hours. After twelve hours the leveling layer is set and ready for installation of ceramic coatings, textile coatings, natural stone, PVC floorings, rubber or linoleum.

Quick Info

- planar
- low weight
- fast readiness
- different height adjustment
- thermal conductivity of $\lambda = 0.19\,W/mK$
- good compaction and
- simple to use
- recyclable

TYPE	VITMOPOX	VITMOLIT
Fields of use	Remodeling new buildings	Remodeling new buildings
Suitability	super-light and heat insulation layer	super-light and heat insulation layer
Basic raw-material	inflated glas	inflated glas
Binding agent	Expoxy resin	spezial Cement
Fillers/pigments	-	Additives
Technical properties	Expoxy bound	Water-mineral binding to DIN EN 13 813
Application thickness	15 to 50 mm	15 to 50 mm
Own weight	less than < 350 kg/m³	less than < 700 kg/m³
Resistance to pressure DIN 1164**	ca. 5 N/mm²	ca. 10 N/mm²
Heat insolation according to (Z-23-11-1154)	K-Wert = 0,08 W/mk $\lambda = 0,19$	K-Wert = 0,08 W/mk $\lambda = 0,19$
Processing	easy mixing, manual densifying	easy mixing and pumping, manual and mechanical densifying and smoothin only for permanently dry floor subconstructions
Environmental compatibility	solvent free, full recycleability	free from harmful substances and poison, full recycleability
Use	Indoor	Indoor
Curing at 20°C ready for application ready for use	 after 8 hours after 24 hours	 after 12 hours after 24 hours

** with prismamethod

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