



Head Office and Plant:
Via Centallo, 57 - 10156 Turin
Tel. +39-011 273.00.33
Fax +39-011 273.56.17

www.sivit.it
ser.tec@sivit.it

s.r.l.

Technical
Sheet

Rev. A del 10/05 óCod 73 - Sigla

COLORSIVIT MALTA A+B

Waterborne epoxy mortar

Uses

- Industrial floors.
- Floors of flat commercial place, office and show-room.
- Smooth and repair of deteriorated floors.

Description

Waterborne two pack system based on epoxy resin, very useful to smooth or like semi self-levelling mortar.

This product has the following properties:

- Excellent adhesion on concrete, tiles and resinous covering.
- Excellent adhesion on substrate with high humidity.
- Good vapour permeability.
- Good abrasion resistance.
- Right product to make decorative resinous coverings.

Preparation of the product :

- The concrete surfaces must be solid, levelled, absorbent and free from oil, dust or other substances.
- You should consider whether to treat the surface mechanically by abrasion, shot-peening or grinding, then apply a coating of Paviwater T68.
- Oily surfaces must be cleaned deeply and treated with a mixture of COLORSIVIT EPOX N filled with quartz (0,04 - 0,25); immediately after applying this product spread Quartz B2 on the surface (ca.2Kg/sq.m).
- Paving tiles surfaces must be sanded by shot-peening or abrasion until becoming completely matt, then apply a coat of PAVIWATER coloured and spread on surface Quartz B1..
Is necessary to reinforce the substrate with a resinous covering based on MAT 300 and PAVIWATER T68. Eventual loose tiles must be removed and the substrate can be repaired with COLORSIVIT MALTA filled with 1 to 1,5 of Quartz B3.
- Vertical surfaces of little dimension, for example steps, can be smoothed with COLORSIVIT MALTA filled with 1% of ADDENSANTE.

Application:

- Prepare the mixture of the components A+B, put part B in the container of part A; mix with a drill.
- Add water of dilution and homogenize with mixing drill.
- Apply the product quickly within pot-life by American trowel.
- To colour the compound is necessary to add COLORPASTA W or other waterborne dispersion with a good compatibility in the system.
- The amount of pigment can be changed in according to shade desired.
- To fill the holes is necessary to add Quartz B3.
- As top-coating is possible to use one or two coats of PAVIWATER coloured for a consumption of 0,15-0,25 Kg/mq to obtain a mono-chrome effect.

- **COLORSIVIT MALTA can be used to obtain decorative floor like spatulated and other effects.**

For this application is advised to contact our technical service.

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KIND OF APPLICATION	WATER OF DILUTION % TOWARDS (A+B)	ADDENSANTE/ QUARTZ % TOWARDS A+B	CONSUMPTION OF A+B Kg/sq.m	POT-LIFE AT 25°C	TACK-FREE AT 25° C
Smoothing low thickness	2,5 in weight (5 of volume)	/	0,5 ÷ 1,5	50ø	6-8 hours
Semi-levelling covering 1,5-2 mm	2,5 in weight (5 of volume)	/	3 ÷ 4	50ø	6-8 hours
Smoothing in vertical	2,5 in weight (5 of volume)	Addensante 1% in weight (40% of volume)	1	40ø	4-6 hours
Filling holes 3-10mm	2,5 in weight (5 of volume)	Quartz B3 150% in weight (200% of volume)	1 mm of thickness	30ø	4-6 hours

TECHNICAL FEATURES:

Colour:	Neutral ,7035 or according Ral sheet for batch not less than 500 Kg
Specific weight (Rif. Ral Neutro) :	2,00+/-0,05 g/ml at 25°C
Solid content (Rif. Ral Neutro) :	88,6% in weight
Viscosity at 25°C (Rif. Ral Neutro) :	5000+/-1000 mPascal Spindle 2 rpm 5
Mixture ratio in weight:	A= 100 B=11
Mixture ratio of volume:	A=100 B=20
Walk on time :	18 hours (25°C-50 % U.R.)
Overcoat time:	18-36 hours (25°C-50 % U.R.)
Hardening in depth:	7 days (25°C - 50°C U.R.)
Compressive strenght (UNI 4279):	35 N/ mm ² hardening 7 days at 25° C and 50% U.R.
Application conditions:	Temperature between 15°C and 35°C U.R. < 75 %
Pot-life:	50' at 25° C and 50% of U.R.
Solvent to clean the tools:	Water
Storage:	12 months. Keep in a dry place at a temperature between 5°C and 35°C.