terradec

PRODUCT DATASHEET

TERRA-GOLD/A+B

4/4/2022

PRODUCT DESCRIPTION

TERRA-GOLD/A+B is a 2-component, hard-elastic, polyurethane binding agent with low viscosity.
TERRA-GOLD/A+Bhardens by using chemical cross-linking which makes it a binding agent with a high resistance to wear.

TERRA-GOLD/A+B also has a good resistance to diluted acids and bases, water and many more chemical components.

APPLICATIONS

TERRA-GOLD/A+B can be used as a binding agent for placing permeable hard surfaces.

Attention: Only possible with washed and fire-dried quartz.

CHARACTERISTICS BINDING

TERRA-GOLD/A+B	
Color	transparent
Density at 20°C	A-comp. :+/- 1,05 kg/dm^3, B-comp. :+/- 1,23 kg/dm^3, A+B: +/- 1,14 kg/dm^3 Vis-
cosity	A+B: ± 600 mPa.s
VOC content	< 1%
Solids content	> 99%
Mix ratio by weight	in weight 1 to 1
Processing time	15 minutes (at 20°c as well as at 30°c)
Application temperature	5°C - 30°C
Dilution	not recommended
Cleaning	PMA -xyleen
Amount to be used	5%
Packaging	sets of 5kg or 40 kg
Storage	A-comp: 12 months (in closed, original packaging, 10-25°C) b-comp: 12 months (in closed, original packaging, 10-25°C)

INSTALLATION

Please consult the Installation Instructions on the system datasheet of Terradec Gold.

SAFETY

Before use: always thoroughly read the MSDS sheets of the products used.
VOC = < 1%

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3/12/2020

CHARACTERISTICS OF THE NEXT MIXTURE

H0,4-6mm + 7% TERRA-GOLD/A+B
Drying tested at RH of +/-50%

Drying	30°C	20°C	10°C
Easily spreadable	15 minutes	25 minutes	45 minutes
Connectable	33 minutes	50 minutes	1u 45 minutes
Walkable*	2u 38 minutes	4u15 minutes	8u 25 minutes

* Always try before walking on a floor

Mechanically resistant: after 2 days @20°C

Chemically resistant: after 7 days @20°C

Application temperature: 10°C to 30°C

Coefficient of thermal expansion (according to NBN EN 1770 §4
(UPDATED) 25 ,0 a -20°/40° [x10-6]

E-modulus : 500 MPa (IT-CY according to NBN EN12697-26 (attachment C) @15°C)

Bending strength : 10 MPa (Modulus of Rupture @20°C after 1 week @20°C)

Compressive strength : 16,156 MPa (Compressive strength @20°C after 1 week @20°C)

Hottire : resistant after 1 week drying (24h wet test @50°C RH 80% "Asian" winterband)

Water buffering capacity : 1.6L/m^2/cm thickness

Water penetration:

thickness cm	flow rate L/min/m^2	flow rate L/hour/m^2
2	510,2	30612
4	224,5	13469
6	81,3	4880
8	56,1	3367
10	35,5	2131

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