Tejas Verea desde 1967

TECHNICAL SPECIFICATION SHEET

ARTICLE

Roof tile Foam V-100 and V-101

SPECIFICATIONS

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin formation (FEICA TM 1014)	7 min
Cutting time (FEICA TM 1005)	30 min
Free foamed density (FEICA TM 1019)	Ca. 22 kg/m^3
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (FEICA TM 1020)	30,2 mW/m.K
Box yield (FEICA TM 1003)	750 ml yields ca. 38 l of foam
Joint Yield (FEICA TM 1002)	750 ml yields ca. 26 m of foam
Shrinkage after curing (FEICA TM 1004)	< 1%
Expansion after curing (FEICA TM 1004)	< 4%
Expansion during curing (FEICA TM 1010)	Ca. 56%
Percentage closed cells (ISO4590)	Ca. 47%
Water absorption (EN1609)	Ca. 0,27 kg/m^2
Reaction to fire classification (EN13501-1)	No fire classification (F)
Compresive strength (FEICA TM 1011)	Ca. 21 kPa
Shear strength (FEICA TM 1012)	Ca. 40 kPa
Tensile strength (FEICA TM 1018)	Ca. 73 kPa
Elongation at Fmax (FEICA TM 1018)	Ca. 12,3%
Temperature resistance**	From -40ºC to +90ºC (cured)

** This information relates to fully cured product.
The manufacturing Company uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: http://www.feica.com/our-industry/pu-foam-technology-ocf . FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: www.feica.eu.

DESCRIPTION

It is a one-component, self- expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants who are not harmful for the Ozon layer and where the canister is provided with a thread, so it can be used on a gun.

COLOUR

Grey (V-100)
Terracota (V-101)

PACKAGING

750 ml aerosol (net)

SHELF LIFE

18 months unopened and stored in dry and cool conditions (between 5 and 25°C). Upright storage.

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PROPERTIES

· Easy and fast applications (saving of up to 30 % in labor time).
· Good adhesion on all surfaces (except PE, PP and PTFE).
· Replaces mortar. Cheaper than the traditional systems.
· Very good bonding properties.
· Fast curing
· Very precise to dose.
· Does not age or rot but should not be exposed to UV radiation.
· Extremely light
· Resistant to cold and heat
· Resistant to wind forces
· Freon free (not harmless to ozone layer and greenhouse effect)

APPLICATIONS

· Installation and repair of roof tiles.
· Filling of cavities.
· Sealing of all openings in roof constructions.
· Installation of clay roof tiles.

APPLICATION METHOD

Shake the can at least for 20 seconds. Screw the can on the gun. Adjust extrusion rate using the setting screw at the end of the applicator gun to apply beads of 30 mm. Substrate needs to be free of dust and grease. Apply the foam on laces or regular stitches. Shake regularly during application. Immediately remove spilled foam with a foam cleaner, cured foam must be removed mechanically. Remove the cured PU-foam mechanically as good as possible.
Can temperature: +5ºC - 30ºC
Ambient temperature: +5ºC - 30ºC
Surface temperature: +5ºC - 35ºC

HEALTH AND SAFETY RECOMMENDATIONS

Take the usual labor hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Consult label and material safety data sheet for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well ventilated areas.

REMARKS

· Moisten surfaces with a water sprayer prior to application.
· If you have to work in layers repeat moistening after each layer.
· For not common surfaces we recommend an adhesion test.

STANDARDS AND CERTIFICATES

· Adhesion resistance, according to UNE 83.822.95
· Resistance to ice-thaw cycles, according to UNE 83.822.95
· Heat resistance, according to UNE 83.822.95
· TEST Tecnalia Nº 052585-1 (determination of the lifting resistance of clay roof tiles. Test method of cutting system according to UNE-EN 14437: 2007)

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