PANTASIL

ACETIC SILICONES

PRODUCT DESCRIPTION

PANTASIL is a professional one-part acetoxy silicone sealant which applied in the form of a semi-fluid paste reacts with the moisture to produce an elastic, low modulus rubber.
PANTASIL provides an excellent resistance to natural weathering, extreme temperatures, ultraviolet radiation,and mould. Its outstanding properties are retained after many years of exposure.

- Low modulus.
- Fast curing.
- Solventless.
- Low shrinking during curing.
- Flexible at low (-40°C) and high temperatures (+180°C).
- For sealing and assembling.
- Excellent adhesion to glass, vitrified surfaces, ceramic, tiles, some plastics and painted surfaces.
- Mould resistant, suitable for sealing joints in sanitary areas.

TYPICAL USES

- For sealing joints of glass to glass, metal to metal, glass to metal in windows, glazed walls and curtain walls.
- For sealing air conditioning installations.
- For ceramic tiles and glazed surfaces in general.
- For glazing shop signs, shop windows, greenhouses and skylights.
- For perimeter sealing of baths, kitchens and areas exposed to elevated humidity levels requiring high mould resistance.

PROPERTIES

Curing system :	acetoxy
Consistency :	tixotropic, non-slumping paste

AVAILABILITY

Code	Colour	Packaging	pcs./box
1007191	transparent	300 ml. cartridge	24

TECHNICAL DATA

Typical properties of uncured sealant	
Application temperature :	+5°C / +40°C
Skin formation time (23°C / 50% R.U.) :	20 minutes
Curing time :	1 - 5 days depending on temperature and humidity and on cross section of applied sealant cord
Typical properties of cured sealant	
Shore A hardness (ISO 868) :	20
100% Modulus (ISO 8339) :	0,35 N/mm²
Maximum tensile strength (ISO 8339) :	0,6 N/mm²
Ultimate elongation (ISO 8339) :	250 %
Tear strength (ISO 34, method C) :	4,2 N/mm
Service temperature range :	-40°C / +180°C

The values in this table must not be considered as specifications.

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ADHESIVES & SEALANTS

FRATELLI ZUCCHINI

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

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METHOD OF USE

Adhesion and surfaces preparation: the surfaces that will be in contact with the sealant must be clean, dry and free of all loose material such as dust, dirt, rust, oil and other contaminants.

Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

Pantasil has an excellent adhesion to glass, glazed surfaces and to anodized aluminium.

Onto aluminium, stainless steel, painted surfaces and plastics previous testing is recommended and the use of a suitable Primer is suggested. See table of "**Primers for silicone sealants**".

Joint dimension: joints designed to accommodate movement should have rectangular section and depth at least 3 mm., the joint width at least five times total expected movement and always twice as depth.

For a correct dimensioning of joint cross section insert to the joint back **Filtene**, a closed cell polyethylene foam release profile.

Application: apply sealant by means of an air operated gun or of a hand gun.

Any tooling if required should be carried out immediately.

NOTES

Pantasil must not be used for insulating glass applications and structural glazing bonding.

It is not recommended for joints subjected to abrasion or for long-term use under water.

It should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.

It is not suitable for assembling mirrors and aquariums.

It should not be used on substrates such as concrete, fibrous cement, mortar, marble, natural stones.

For every use not listed in this document please contact Fratelli Zucchini S.p.A. Technical Service.

CAUTIONS

Pantasil produces acetic acid vapour during cure, avoid inhaling the vapours as well as contact with eyes and skin.

STORAGE STABILITY

12 months if stored in the original sealed pack, in a dry place, at a temperature range from + 5°C to + 25°C.

STANDARD COMPLIANCE

$C \in$
NB 01213
Fratelli Zucchini S.p.A.
18
DoP n° 14 05 5006442
EN15651-1: F-EXT-INT-CC CLASS 25 LM
EN15651-2: G-CC CLASS 25 LM
EN15651-3: XS1

EN 15651-1: F-EXT-INT-CC 25 LM Sealant for façade for interior and exterior application.
(Intended for use in cold climates)
EN 15651-2: G-CC 25 LM Sealant used for sealing glazing applications.
(Intended for use in cold climates)
EN15651-3: XS 1 Sealant for joints in sanitary areas.

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