

# FLEXIL 2020 N

## PRODUCT DESCRIPTION

One part moisture curing silicone sealant, neutral, pasty.

## PRODUCT CHARACTERISTICS

- Low modulus, specific for sheet metal use, coverings and carpentry.
- Excellent resistance to atmospheric agents, UV rays, temperature extremes and moulds. It adheres to a wide range of materials.
- Neutral reaction.
- Excellent workability.
- Resistant to temperature extremes and UV rays.
- Non corrosive.
- Suitable for sanitary, resistant to moulds.

## TYPICAL APPLICATIONS (professional use)

- For sealing and bonding galvanized painted steel sheet, steel, iron, aluminium, tinplate, lead, bronze, copper, brass and other metals used in sheet metal, carpentry and building.
- For sealing expansion joints in prefabricated components.
- For sealing expansion joints in concrete installations.
- For sealing facades
- Perimetral sealing of metal frames, wood and PVC.
- For sealing joints in sanitary and wash down environments.
- For multipurpose sealing in building and construction.



## LIMITATIONS

- **FLEXIL 2020 N** is not indicated for insulating glass applications nor for structural glazing bonding.
- Avoid the contact with materials containing bitumen, tar, EPDM, APTK, neoprene, butyl for possible compatibility issue.
- Not suitable for joints in swimming pools and adjacent areas that are in continuous contact with pool water.
- It should not be used in contact with marble, natural stones.
- It should not be used in contact with materials bleeding oily matters or plasticizers, nor on surfaces to be overpainted.
- It is not suitable for use in food contact applications.
- The sealant is not recommended for use in totally confined joints not exposed to air moisture nor for use in joints submitted to abrasion.
- Do not use in extreme temperature conditions, or on damp, frozen, contaminated surfaces.
- Do not use on excessively acidic or basic substrates. It is not suitable for use as a mirror adhesive.
- For any application not listed in this document please contact our Technical Service.

## TECHNICAL DATA

<b>Polymers and curing system:</b>	100% silicone, oxime <b>MEKO FREE</b>
<b>Application temperature:</b>	+5°C / +40°C
<b>Specifi gravity:</b>	0,95±0,02 g/cm <sup>3</sup>
<b>Skin forming time:</b>	7 - 13 minutes
<b>Curing after 24 h. (23°C/50% R.H.):</b>	2 – 3 mm
<b>Curing time:</b>	1 - 5 days depending on temperature, humidity and on cross section of applied sealant cord
<b>Shore A Hardness (ISO 8339):</b>	18±3
<b>100% Modulus (ISO 37):</b>	<0,40 N/mm <sup>2</sup>
<b>Tensile strength (ISO 527-2):</b>	1,3 N/mm <sup>2</sup>
<b>Elongation at break(ISO 37):</b>	>500%
<b>Elastic recovery (ISO 7389-B):</b>	>70%
<b>Maximum allowed joint movement:</b>	±25%
<b>Service temperature range:</b>	-40°C / +160°C

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



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## APPROVALS

### Standard compliance



**EN 15651-1: F-EXT-INT-CC CLASS – 12,5 E** sealant for façade for interior and exterior application. Intended for use in cold climates.

**EN 15651-2: G-CC** sealant used for sealing glazing applications. Intended for use in cold climates.

**EN 15651-3: XS 1** sealant for joints in sanitary areas.

## METHOD OF USE

**Surface preparation:** surfaces must be clean, dry and free from dust and oil.

**FLEXIL 2020 N** has a good adhesion onto commonly used building materials.

Otherwise onto cement, aluminium and painted surfaces, the use of Primer can be suggested, appropriate preliminary tests are always recommended. See table of **Primers for silicone sealants**.

It is the responsibility of the user to test the compatibility of the sealant with the adjoining materials.

Incompatible substances like coating materials (paints, varnishes and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant.

Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance.

Because of the multitude of these materials, Fratelli Zucchini S.p.A. cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests.

The time until complete curing may be extended at lower temperature, lower humidity, increasing film thickness or by low volume of air exchange.

**Joint dimension (see picture):** joint depth is to be designed so that to produce a sealant cord of depth not below 5 mm and not over 10 mm.

Depth of sealant should always be less than joint width.

With butt joints, the width should be almost twice expected total movement, in overlap joints equal or greater.

Expansion joints should be dimensioned so that to allow insertion to the joint back of our **FILTENE**, a closed cell polyethylene foam round profile, available in several diameters.

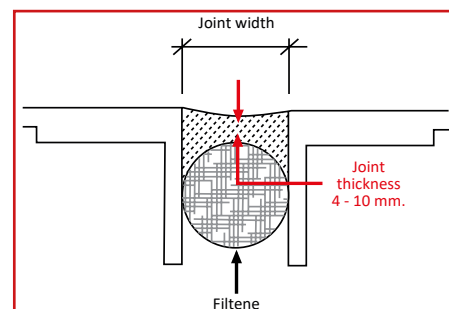
**Application:** apply sealant by means of an air operated gun or of a hand gun.

Any tooling if required should be carried out immediately.

**Solvent wiping:** dirty tools can be solvent wiped with **Solvente ST/512**.

After curing **FLEXIL 2020 N** can be only mechanically removed.

**Paintability:** NO.



## SAFETY AND HEALTH

See Safety Data Sheet.

## STORAGE STABILITY

12 months from date of production for the product kept in the original sealed pack in a dry place at a temperature range between +5°C and +25°C.

## PACKAGING

Code	Colour	Packaging	Unit
1004831	transparent	cartridge 300 ml.	24
1004832	white	cartridge 300 ml.	24



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