



Description

EGYFIX 200 C is a one-component silicone sealant which, when exposed to atmospheric humidity, forms a flexible and durable elastomeric seal which possesses excellent resistance to severe weathering conditions.

Examples of applications

EGYFIX 200 C is a general purpose silicone sealant which offers good performance on many different applications where weathertightness is required.

- Caulking doors and windows .
- Shop windows, display cases, panels and signs .
- Plumbing, drains, guttering .
- HVAC ducting .
- Sealing of electrical conduit .
- Boat maintenance .
- DIY general purpose sealing .

Advantages

EGYFIX 200 C bonds well to clean uncoated glass, ceramics, most glazed non-porous surfaces and anodized aluminium without the need to prime. The rheological properties of **EGYFIX 200 C** allow high rates of extrusion whilst the thixotropy enables the sealant to be used on vertical jointing and underside applications.

EGYFIX 200 C presents excellent stability to temperature variations (-30 c to- 120 c), Uv rays, rain, snow...

Characteristics

1. Before curing

Type of sealant.....	Acetic
Specific gravity (non cured), approx	0.97
Flow resistance* (EN 27390), mm, approx	1
Extrusion (standard NM 495A 3mm\3 bars), g\min, appr.....	110
Viscosity (strain 3000 N\m2 ,20 c), Pa.s, approx.....	80

2. Curing

Skin formation time* , min. approx	9
Tack-free time*. min. approx	20
Curing rate* , mm \1 day, approx	3
mm \3 days, approx	6.5
mm \7 days, approx.....	10
Application temperature, c	+5 to + 40

Characterististics (cont`)

3. After curing

Shore A hardness (ISO 868), approx	20
Elastic recovery (EN 27389), %, approx	95
Joint movement capability, %	15
Operating temperature, C	- 30 to + 120
Mechanical properties on a 2 mm thick film (NF T 46002)*	
Modulus at 100% elongation, Mpa, approx	0.5
Tensile strength, Mpa, approx	1.8
Elongation at break, %, approx	450
Mechanical properties on slabs (EN28339)*	
Modulus at 100% elongation, Mpa, approx	0.4
Tensile strength, Mpa, approx	0.7
Elongation at break, %, approx	200
* at atemperature of 23C and relative humidity of 50%	

Standards

EGYFIX 200 C meets ISO 11600 _F_ 12,5E.

Processing

Joint dimensions :

The movement capability of sealant as well as local regulations must be considered .

Joint width should be twice the depth .

Joint preparation :

The joint faces to be bonded must be clean, dry and free from dust, oil, grease, oldsealant and any traces of contaminant which may affect adhesion. Surfaces should be degreased with solvent soaked cloth and then wiped with a clean cloth. To remove dust, use oil-free compressed air .

priming :

Although **EGYFIX 200 C** will bond well to most clean and dry surfaces, it is recommended that a primer be used on certain substrates in order to ensure a strong and uniform bond :

_ Steel, ferrous metals, thermoplastic materials **EGYFIX10073**

_ Concrete, stone, wood **EGYFIX12076**

On non-porous substrates, the primer should be applied with a cloth or soft brush in a thin and uniform film. On porous substrates apply with a brush, in the case of particularly porous material apply a second layer after drying.

Processing (con` t)

Sealant application :

For good performance it is essential that the sealant be only bonded to the two facing sides of the joint; to achieve this, install a backup material (closed cell polyethylene or open cell polyurethane foam). Apply the sealant in a continuous operation, making sure that all air pockets or voids are eliminated. Tool the sealant with light pressure to spread the material against the joint surfaces. This operation should be made with a dry spatula before skin formation occurs.

Excess uncured sealant should be wiped and cleaned with a commercial solvent. Cured sealant can only be removed by scraping (i.e. with a razor blade), or with a special silicone remover product.

Limits of use

EGYFIX 200 C must not be used on sensitive surface which could react with acetic acid which is released during cure, nor should it be used on materials where migration of constituents can take place e.g. certain rubbers.

EGYFIX 200 C must not be used for sealing aquariums. For this application, use BLUESIL SLT AQUA. Avoid the use of **EGYFIX 200 C** where there is possibilities of food contact.

EGYFIX 200 C is not recommended where abrasion or physical abuse will be encountered. For all uses in permanent immersion, please consult us. A primer must be used when sealing stain-sensitive surfaces, such as marble or granite.

Conlours

transparent, White, Black.

Packaging

EGYFIX 200 C is available on different weight under customer request.

Storage and shelf-life

EGYFIX 200 C has a shelf life of 15 months, guaranteed by Bluestar Silicones from its date of manufacture (the expiry date is shown on the packaging), when stored at a temperature between 5 c to +50 C in its original unopened packaging.

Safety

Consult the Safety Data Sheet of **EGYFIX 200 C** .



Technical Data Sheet Egyfix 200 C

Address &Contact

The egyption factory for silicon & adhesives K.M 37 misr.

Alexandria agriculture roacl,toukh city-Qalyoubia-North of Cairo-Egypt.

Mobile :- 010-01764399 // 012-87661229

Tel :- 013-2472692

Fax :- 02-42149119

E-mail :- redaeldib1@yahoo.com

www.egyfix.com

Customer Satisfaction Priority

www.egyfix.com

EGYFIX
SILICON & ADHESIVES

