Cetosil 400

Silicon Mastic Joint Sealant

Description:

- CETOSIL 400 is one component, ready to use silicon mastic joint sealant.
- Approved from National Organization For Potable Water Projects.
- Complies with BS 5889, U.S federal specifications, TTS 1543A and ASTM C 920.

Fields of Use:

- **CETOSIL 400** has excellent adhesion to glass, ceramics, aluminum, building materials and many plastics, and is specially used for the following : -
- Sealing of joints between building elements of all types.
- Glazing of steel, aluminum and wood windows, glass partitions and curtain walls.
- Sealing refrigerated rooms, sheet metal, skylights, ventilators, air conditioning units and solar collectors.
- Aquarium manufacturing.
- Sealing of Potable water and food projects as it non-toxic.
- Pre - cast concrete and masonry joints.

Advantages:

- It hardens by the atmospheric moisture to form a high strength elastic seal for specialized glazing applications and joint sealing.
- While its outstanding adhesion properties provide a water - tight seal, **CETOSIL 400** is unaffected by weathering conditions such as sunlight, ultra - violet radiation, rain and temperature extremes.
- Its properties remain unchanged for many years after application.
- **CETOSIL 400** is easy to apply and adheres to most materials.
- Colour fastness according to specification test ES : 819
- Not toxic.

Technical Data :(at 25 ºC)

Colour	Transparent, white, black, brown, grey (other colours are available according to cataloge)
Density	1.0 ± 0.02 kg/l
Skin formation time	5 min
Final setting	24 hours
Full curing	7 days, depending on atmospheric conditions and dimensions
Service temperature	- 50°C to + 180°C
Hardness (shore A)	20 - 25
Elongation at break	300%
PH	Acidic
Movement accommodation	50 % compression and extension
Rate of use (theoritical)	100 gm / m for section 1 cm^2 1.35 m / cartridge for section 2 x 1 cm

Directions for Use:

JOINT DESIGN:

- Joint width must be 4 times of the total anticipated joint movement.
- Joint width and depth should not be less than 4 mm .
- Maximum joint width should be 25 mm .
- For width more than 10 mm, depth should be half the width at a minimum of 10 mm .

CMB INTERNATIONAL

Chemicals for Modern Building International
Main Office: 319 , 43 El-Haram St., Giza - Egypt
Tel.: (+202)35853917 - 35854084 - 35854118
Fax: (+202) 35859858 - 35877252
Email: cmb@cmbegypt.com Site: www.cmb.eg

Butt Glazing:

- Sealant must be equal in depth to the glass thickness.
- Maximum depth should not exceed 10mm .

Structural Glazing:

- **CETOSIL 400** can replace the conventional exterior mechanical stops .
- **CETOSIL 400** can also provide edge support for the glass unit under load conditions.

Method of Application:

- Joint should be dry, firm, free of dust and fatty residues.
- Cementitious porous surfaces should be primed with **KEMPOXY 101**.
- Remove the closing cap, cut off the top above the winding, put the cartridge into the application gun, cut off the nozzle sloping according to the required width and screw on .
- Fill the joints firmly with **CETOSIL 400** and smooth the surface with spatula and soap water.
- Clean tools by **Kemsolve1**.

Safety Precautions:

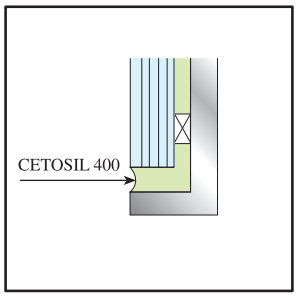
- Application should be carried out in well ventilated place.
- Gloves, protective clothing and eye goggles should be worn during application.
- Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.
- If the material is splashed into the eyes, these should be immediately washed with water and then report to an eye specialist.
- Do not eat or smoke during application.

Storage:

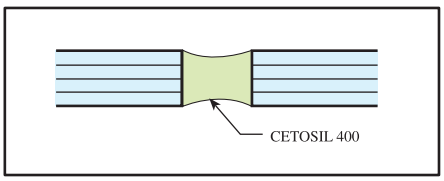
- 12 months under dry and suitable storage conditions (below 25°C).

Packages:

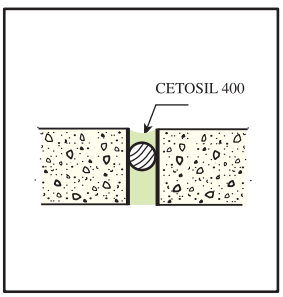
- 270 ml plastic cartridges , 4 kg.



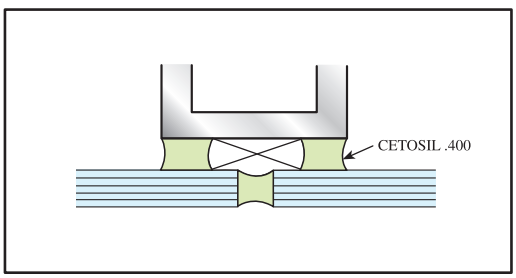
Metal to glass



Glass to glass butt joint



Structural joint



Glazing system

Chemicals for Modern Building International
Main Office: 319 , 43 El-Haram St., Giza - Egypt
Tel.: (+202)35853917 - 35854084 - 35854118
Fax: (+202) 35859858 - 35877252
Email: cmb@cmbegypt.com Site: www.cmb.eg