

## CP500 Fire Rated Water Based Silicone Mastic



### product description

Abesco CP500 Fire Rated Water-Based Silicone is a one component low-modulus sealant designed to prevent the spread of fire and smoke from one compartment to another through joints in fire separating walls and floors. It has excellent adhesion and when cured forms a flexible, strong silicone seal. Abesco CP500 FR WB Silicone can be used to seal gaps up to 80mm width. It is ideal for internal and external expansion and construction joints, curtain walling and joints subject to vibration and movement. Abesco CP500 FR WB Silicone has a fungicide addition so it can be used in sanitary and plumbing applications. It is paintable\* with most household paints and odourless, can be used on humid surfaces (curing times may increase when the surface is damp or wet) and requires only water to clean down tooling and overfill.

\* Depending on paint type. Abesco strongly recommend a trial is undertaken on an unseen area before major painting is undertaken.

- Approved worldwide and recognised by independent authorities
- Up to 4 hours fire resistance
- Suitable for most substrates
- Water based
- Solvent free
- Environmentally friendly
- Odourless
- Very easy to install & finish
- Water resistant, once cured

### physical properties

|                          |                 |
|--------------------------|-----------------|
| Specific Gravity:        | 1.35            |
| Tack free time:          | 25 mins approx  |
| Application temperature: | +2°C to +40°C   |
| Service temperature:     | -50°C to +120°C |
| Shore A Hardness:        | 20              |
| Elastic Recovery         | > 80%           |
| Joint Movement           | 25%             |
| Modulus at 100%          | 0.37 MPa        |



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### application

- Linear Gap Joints
- Wall Head Seals
- Copper Pipes
- Steel Pipes
- Plastic Pipes
- Cables
- Cable Trays
- Fire Stopping Mineral Fibre Batts
- Fire Doors
- Ducting
- Purlins
- External Use

### testing

Tested in accordance with the methodology and criteria described in:

- **BS 476 part 20**
- **EN 1366-4**
- **EN 1361-1**
- **AS 1530-4**
- **ASTM E814 (UL 1479)**



UL Classified 1 and 2 Hour rating

### substrate compatibility

- Concrete
- Blockwork
- Drywall
- Hardwood
- Fire Protection Sheeting
- Steel

### installation

1. The joint surfaces must be clean and preferably dry (wet surfaces may extend the curing time). Remove any debris and dust and ensure non-porous surfaces are degreased.
2. Where a neat finish is required mask the edges of the joint.
3. Expansion joints must use a suitable backing material to regulate the depth of seal. For joints up to 12mm wide the width to depth ratio should be 1:1. Larger joints should have a width to depth ratio of 2.5:1 (depth no less than 12mm).
4. Extrude sealant firmly into the joint to the correct depth avoiding trapping air. Smooth sealant with a water-wet spatula.
5. Remove any masking tape whilst sealant is soft.
6. Excess uncured sealant can be removed with a clean damp cloth.

### ordering information

| Code  | Description                                | Colour | Unit               | Case | Pallet            |
|-------|--------------------------------------------|--------|--------------------|------|-------------------|
| 20135 | CP500 FR Water Based Silicone Mastic 310ml | White  | 310ml Tube         | 25   | 1600 Tubes        |
| 20136 | CP500 FR Water Based Silicone Mastic 600ml | White  | 600ml Foil Sausage | 12   | 780 Foil Sausages |



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