

## EMS FORCE<sup>®</sup> EX-THEMP 15-45



### Product description

EMS EX-THEMP<sup>®</sup> 15-45 is specially formulated for applications which require resistance to very high temperatures. It is non-flammable with odour-free feature. It can resist temperatures up to 1000°C.

### Recommended Materials to Fix

|              |               |
|--------------|---------------|
| ▪ Metals     | ▪ Rock        |
| ▪ Glass      | ▪ Brick       |
| ▪ Concrete   | ▪ Perlite     |
| ▪ Ceramic    | ▪ Glass fibre |
| ▪ Stone wool | ▪ Wood        |
| ▪ Paper      | ▪ Mat         |

Note: This product is not effective in adhesion of plastic or plastic containing materials.

|            |   |          |
|------------|---|----------|
| Appearance | : | Liquid   |
| Colour     | : | Clear    |
| Viscosity  | : | High     |
| Odour      | : | No odour |



### Physical properties uncured of adhesive

|                                      |   |               |
|--------------------------------------|---|---------------|
| Specific gravity<br>Conditions: 22°C | : | 1.4           |
| Corrosivity                          | : | Non-corrosive |



### Typical curing performance of adhesive

Note that curing performance can differ due to temperature. The values given below are measured at 20°C.

|                              |   |                   |
|------------------------------|---|-------------------|
| Initial setting time         | : | 30 mins to 1 hour |
| Full setting time            | : | 24 hours          |
| Full setting time (at 200°C) | : | 2 to 3 mins       |



### Typical properties of cured adhesive

|                        |   |                          |
|------------------------|---|--------------------------|
| Tensile shear strength | : | 15-20 kg/cm <sup>2</sup> |
| Temperature resistance | : | -40°C +1100°C            |

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### Environmental resistance of cured adhesive

It is not resistant to long-term exposure of water or water containing chemicals.  
It is highly resistant to low or high concentrated acids and bases.



### Directions for use

#### **Application:**

Apply adhesive to both surfaces via brush or roller brush.  
Mate both surfaces under hand pressure.

#### **Cure:**

Functional curing time for 15-45 Adhesive is 30 to 60 minutes. Full bond strength is reached within 24 hours.



### Packaging

#### Amount

1kg

5kg

30kg



### Storage and shelf life

Keep product in its original container at 22°C and avoid to contact with direct sunlight. Storage below -20°C and above +40°C can negatively affect product properties.

Material removed from its original container can be contaminated during usage which affects both adhesive performance and storage life. Therefore, do not return contaminated product to the original container.

Metsan cannot take any responsibility for product which has been contaminated or stored under conditions different than previously indicated.

Shelf life: 12 months at 20°C



### Health and safety

For further information, please consult Safety Data Sheet (SDS) before use.

### Disclaimer

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