



### DESCRIPTION

**Tecwool® 825** is a mortar made of rock wool, cement and small amounts of heat-resistant material manufactured by **mercortecresa**® and specifically designed for fire protection against hydrocarbons fires for industrial appliances.

It looks like a monolithic block resistant to erosion and semi-exposed or partially covered areas.

### TESTS

**Tecwool® 825** has been tested in laboratories certified by ENAC or identical international entities pursuant to UNE EN, ASTM or similar standards. Likewise, real scale tests have been performed in tunnels under particularly limiting conditions such as hydrocarbons modified curve (HMC), RWS curve.

### APPLICATION AND USAGE

Before mortar is applied on any surface, the following aspects should be considered:

- The surface to be protected should be free from dust, oil, waste, poorly attached particles, release agents, paint leftover, etc.
- It is recommended to use water with the application hose to wash dirt away from the faces. This will also help achieve a thermal balance between the mortar and the applied surface.
- **Tecwool® 825** can be applied directly over surfaces with a temperature between 2 °C and 40 °C, out of this range you need consult our Technical Department.

### Application machine:

The process of spraying is made by pneumatic spraying machine. This machine sprays dry **Tecwool® 825** by the hose to the nozzle. **Tecwool® 825** neutralizes and mixes in nozzle application where the mortar is mixed with spray water at the nozzle head.

The spraying machine supplies a flow of up to 30 kg/min. Mortar is applied with a spreading gun perpendicular to the support at a distance between 50 and 150 cm.

Once the mortar has been applied, water should be sprayed to ensure optimum curing.

All warning regarding cement apply to **Tecwool® 825**. Application of this product on non-ferrous metals is prohibited.

### FINISHES

**Tecwool® 825** can provide different finishes: rugged, smooth, paintec, etc., according to different aesthetic requirements.

Once the application is completed and in order to obtain a smooth finish, a roller could be used and pressed slightly over the wet mortar until the desired finish is obtained.

It is possible to paint the mortar with elastic acrylic coatings to form a steam barrier. Before painting the mortar should be completely dry (28 days).

### HEALTH AND SAFETY

**Tecwool® 825** is manufactured with inorganic components such as rock wool, classified according to European Directive 67/548 CEE, as Xi; R.38 (health risk-free).

Likewise, it is neither toxic nor pathogenic; it does not contain free asbestos or crystalline silica; and it not affected by fungi growth.

The following considerations must be taken into account when handling **Tecwool® 825 Mortar**:

- Wearing protective gloves to protect the hands is recommended.
- Wearing tight goggles to protect the eyes is recommended.
- Wearing anti-dust mask is recommended.
- Respect the regular work measures.

Consult the safety datasheet for further information.

### STORAGE

Keep in a dry and well ventilated place.

### TECHNICAL CHARACTERISTICS

<b>Composition</b>	<b>Cement, rock wool and additives.</b>
<b>Fire reaction</b>	<b>A1</b>
<b>Bulk mortar density</b>	<b>385 Kg/m<sup>3</sup> ± 10%</b>
<b>Dry density(after 28 days)</b>	<b>613 Kg/m<sup>3</sup> ± 10%</b>
<b>Performance</b>	<b>8 Kg/m<sup>2</sup> cm</b>
<b>Spraying density (wet)</b>	<b>1.070 Kg/m<sup>3</sup> ± 10%</b>
<b>Alkalinity (pH value)</b>	<b>12,5</b>
<b>Resistance to fungi</b>	<b>Immune.</b>
<b>Thermal Conductivity</b>	<b>Max. 0,045 W/m<sup>2</sup>°k at 20 °C</b>
<b>Marketing</b>	<b>25 kg sacks in 600 kg pallets.</b>
<b>Expiration</b>	<b>6 months</b>