

### HEAT BARRIER - AL-2402 (600 – 650 ° C)

- DESCRIPTION** : It is a single component, silicon and solvent based paint with high heat resistance.
- AREAS OF USE** : It is perfect for heat barriers, manifolds, ovens, burners, lime burning ovens, metal fireplaces, grills and many other places. It is resistant upto 600-650°C on its own.
- PACKAGE** : 15 kg
- DENSITY** : 1,10 ± 0,1 kg/lt
- SOLIDS** : by volume % 45 ± 3
- APPEARANCE** : Aluminum gloss - matt
- COLORS** : Aluminum
- STORAGE** : The product should be stored in a cool and dry location. Best kept over 5°C. Storages should be spark-protected. Under proper conditions (room temperature) storage life is 1 year.
- PREPARING THE PAINT** : **Mix well before use.** An under speed mixer should be used. If it needs to be thinned down, a solvent should be used by taking into account weather temperature and nozzle diameter of the gun.
- PREPARING THE SURFACE**: The surface should be cleaned from grease and dirt. It must be dry. On steel surfaces, sandblasting method gives better performance. If sandblasting method is not preferred, it is utmost important to clean the surface properly. If applied over another paint layer, please consult HY-TECH personnel.
- APPLICATION TEMPERATURE**: Surface temperature should be at least 3 °C more than dew point temperature. Else, the performance may be lower.
- APPLICATION METHOD** : Airless or conventional guns should be used. Brush can be used for smaller areas. Using brush on large surfaces will cause difficulties in reaching a homogenous film thickness. Thus, when using a brush or roller beware that you efficiently apply suggested consumption rates of the paint.
- APPLICATION** : The application can start by using previously stated equipments after the surface is prepared for painting and the paint is mixed as described. Paint thickness should not exceed 35-40 micron dry film thickness. Single coat application is recommended.

**DRYING TIME** : Drying time of the layer depends on various parameters like ambient temperature, surface temperature, thickness of the film, number of coats applied, ventilation and surface preparation. These variants would change theoretical values. Considering 20<sup>0</sup> C and 65% of relative humidity rate:

Non-Dust Holding Drying	Dry-to-Handle	Mechanical Drying
Approximately 30-40 minutes	Approximately 2-3 hours	Approximately 48 hours

**PAINTED AREA** : The size of painted area varies according to the surface and paint thickness. Theoretically:

<b>30 micron dry film thickness</b>	<b>14 m<sup>2</sup>/lt</b>	<b>12 m<sup>2</sup>/kg</b>
<b>40 micron dry film thickness</b>	<b>11 m<sup>2</sup>/lt</b>	<b>9 m<sup>2</sup>/kg</b>

**SAFETY WARNINGS** : Keep out of reach of children. Store in a cool place, best between 10 - 25 <sup>0</sup>C. Apply in properly ventilated locations. Avoid contact with skin or inhale directly in painted areas. In case of contact with skin, immediately wash with proper cleansers, water or soap. In case of contact with eyes immediately consult a doctor.