



## TECHNICAL PRODUCT GUIDE

### 3112-92360-1 Fireplace Black Tex-1

#### Product Description

Silicone modified black sand texture formulated for service at elevated temperatures on ferrous and non-ferrous substrates.

**\*TCI recommends customer testing for product suitability for the application requirements, and for evaluating application characteristics and mil thickness control, and compatibility with current products used in the application system.**

#### Substrate Preparation

- Coating performance is influenced by type of substrate being coated and the type and quality of substrate preparation.
- Surfaces must be properly cleaned and free of organic and inorganic contaminants.
- Pretreatments designed for high temperature service can be used.
- For best results surfaces to be coated should be blasted in accordance with SSPC SP-10/NACE #2, ISO SA 2.5, with anchor profile of 0.75 to 1.5 mils.
- Contact pretreatment supplier for temperature limitations of current systems.

#### Powder Application

##### **Cure Schedule:**

Metal Temperature	Time
450° F	30 minutes

\*Other cure schedules can be used on technical approval

##### **Film Build:**

Minimum Thickness	Maximum Thickness
2.0 mils	3.0 mils

\*3 mils is the recommended maximum film thickness.

Electrostatic application to room temperature substrate is recommended.



## Powder Properties

Specific Gravity: 1.9 +/- 0.05  
Theoretical Coverage @ 1 mil: 102 ft<sup>2</sup>/lb

## Film Properties

Tested at 2-3 mils on Cold Rolled Steel, 3 x 5 x 0.02

Property	ASTM Standard	Result
Gloss 60 <sup>o</sup>	ASTM D523	5-10%
Impact Resistance	ASTM D2794	40 in/lbs
Pencil Hardness	ASTM D3363	2H

## High Temperature Performance

Test	Test Temperature	Time	Result	Method
Color	600 <sup>o</sup> F	24 hrs	Acceptable	Muffle Furnace
Adhesion	600 <sup>o</sup> F	24 hrs	3B	Muffle Furnace

## Storage:

Store in cool, dry environment. Store below 80 F and below 60% humidity.  
Evaluate powder before application if stored over 12 months from manufacturing data.

## Caution:

Adequate health and safety precautions should be observed during storage, handling, and application.  
Read SDS before using this product.

## Disclaimer:

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Application and application conditions vary, and are beyond control of TCI, therefore TCI is not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under the existing conditions. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental or consequential damages.

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