

SF CERAMIC 800

DESCRIPTION

Two-component, moisture-curing zinc (ethyl) silicate anticorrosive primer with outstanding heat resistance

PRINCIPAL CHARACTERISTICS

- Anticorrosive primer for structural steel
- Excellent thermal stability minimizes heat damage during hot work procedures
- Suitable as a first coat primer in various paint systems based on unsaponifiable binders
- Compatible with a wide range of products to be overcoated

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	30 ± 2%
Recommended dry film thickness	15 - 35 µm (0.6 - 1.4 mils)
Theoretical spreading rate	20.0 m ² /l for 15 µm (802 ft ² /US gal for 0.6 mils) 8.6 m ² /l for 35 µm (344 ft ² /US gal for 1.4 mils)
Dry to touch	5 minutes
Overcoating Interval	Minimum: 24 hours Maximum: Unlimited
Shelf life	Paste: at least 12 months when stored cool and dry Binder: at least 9 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel; shot blast cleaned to ISO-Sa2½, blasting profile 30 – 75 µm (1.2 – 3 mils)
- Steel with approved zinc silicate shop primer; sweep blasted to SPSS-Ss or SPSS-Pt2
- Weathered galvanized steel; blast cleaned to remove rust, to roughen the surface and to remove any zinc salts which might be present

Substrate temperature

- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point

INSTRUCTIONS FOR USE

mixing ratio by volume: binder to paste 60:40

- Mix thoroughly by a mechanical mixer before application
- Agitate continuously during application

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Brush/roller

- Only for touch-up and spot repair

Pot life

12 hours at 20°C (68°F)

Note:

- See ADDITIONAL DATA – Pot life

ADDITIONAL DATA

Pot life (at application viscosity)	
Mixed product temperature	Value
0°C (32°F)	24 hours
10°C (50°F)	16 hours
20°C (68°F)	12 hours
30°C (86°F)	6 hours

Spreading rate and film thickness	
DFT value	TSR value
15 µm (0.6 mils)	20.0 m ² /l (802 ft ² /US gal)
35 µm (1.4 mils)	8.6 m ² /l (344 ft ² /US gal)

SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use

Danger

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.pittsburghpaints.com, Spontaneous Combustion Advisory for additional information

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- Information sheet | Explanation of product data sheets

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