



	Thickness	
No.2002-2313	0.44mm	Heat resistance is up to 0.85 hours (51 Minutes)
No.2002-2314	1.36mm	Heat resistance is up to 1.25 hours (75 Minutes)
No.2002-2315	1.68mm	Heat resistance is up to 1.72 hours (103 Minutes)

(2) Passed the examination "Quality Supervision and Testing of Fire Building Materials (CNAEL No. 0170)". In accordance to GB14907-2002 steel structure fire-proof coating.

Testing Report No.	Coating Film Thickness	Testing Results
No.20023181	2.19mm (including anti-rust paint 0.08mm)	Heat resistance is up to 2.03 hours (122 Minutes)
No.20023182	2.78mm (including anti-rust paint 0.09mm)	Heat resistance is up to 2.63 hours (158 Minutes)

**APPLICATION METHOD**

- ◆ Airless Spray, Brush, Roller.
- ◆ Airless spray Method
  - ◇ Wet film thickness can reach 700µm without sagging for every spray.
  - ◇ Between first and second coating intervals shall be in 3 to 5 hours, or above 72 hours; other coating intervals shall be above 8 hours.
  - ◇ Airless spray equipment : Equipment Type : 45 : 1 or more;  
Tip Size : 0.023 -0.027 ;Operating Air Pressure (Twice) : 45-65 psi.
  - ◇ Air Compression Min. 5 HP.
- ◆ Brush and Roller
  - ◇ The dry film thickness can be reached at most 0.2mm D.F.T. for every brush and roller methods.
  - ◇ Between first and second coating intervals shall be in 1 to 2 hours, other coating intervals shall be above 4 hours.
  - ◇ In any 24-hr interval, brush and roller application at most can only be done four times; feasible maximum thickness should not beyond 0.8mm.

**CONSTRUCTION KEY POINT**

In accordance to "Regulation of application technology of fire resistive coating for steel structure and other relevance standards" for construct and acceptance test. Its heat resistance, coating film thickness, theoretical coverage and number of coating as following:

heat resistance (Min)		60	90	120
film thickness (mm)		0.68	1.35	2.10
theoretical coverage (kg/m <sup>2</sup> )		Min. 1.35	Min. 2.65	Min. 3.35
No. of coatings	Brush and Roller	1-2	2-3	3-4
	Airless spray	1-2	2	3

(\*Note) It should be covered with Fiber Glass cloth in 150 minutes fire-resistance.

1006 Epoxy zinc rich primer, 1076 Epoxy zinc phosphate primer, 1020 Epoxy Alloy primer or other



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SUBSEQUENT PRIMERS equivalent products.

1030 Water-based epoxy clear primer, 745 PU topcoat, 1001 Epoxy topcoat, or other equivalent

SUBSEQUENT products.

TOPCOATS

The humidity shall be lower than 85%, and the temperature shall between

ENVIRONMENT 5°C - 40°C to construct.

CONSTRAINTS

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