Valveguard ™ Pipe & Steel FBE.

Fusion Bonded Epoxy Powder Coating

Anticorrosive powder coating for Pipelines, Steel , Tap Water Valves & Pipe.

Use field:

- **Inner wall of tap water pipelines**
- **Pipe flanges, elbows, valves, pumps**
- **Fittings for central heating**
- **Pipe & steel products for superior corrosion resistance**

Features:

1、**Ease of application, excellent adhesive**
2、**Smooth coating surface, low friction,**
3、**No harmful substance in the formulation**
4、**Excellent mechanical and chemical properties**
5、**Excellent cathodic disbonding resistance**
6、**Excellent water resistance**

Performance:

1、**Specific gravity : 1.3～1.5g/cm^3**
2、**Content of volatile : ≤0.6%**
3、**Particle size distribution:**
$D_{0.5}$: 40～60μm ≥ 150μm ≤3.0% ≥ 250μm ≤0.2%
4、**Content of magnetism substance**：≤0.002%
5、**Gel time : 200℃ 20s～65s 240℃ 5s～35s**

7、**Level flow : 22~28mm**

8、Ratio of cover : 0.6-0.8m2 /kg/mm

9. Coating performance

Colour	**On Request**
Appearance	**Smooth**
Gloss	**Customer requirements**
Thickness	**350±50μm**
Impact	**≥11J**
Bend resistance	**4° bend no cracking**
Adhesion	**1 grade**
Cathodic disbonding resistance	**≤10mm**
Grind	**≤20g**
Salt Spray	**1000h surface not change**

10. Chemical resistance:

Agent	**Result**	**Agent**	**Result**
10%H2SO4	**90d surface no change**	**Dirty water**	**90d surface no change**
10%HCl	**90d surface no change**	**Base oil**	**80℃, 90d surface no change**
3.5%NaOH	**90d surface no change**	**Gas**	**90d surface no change**
10%NaCl	**90d surface no change**	**Kerosene**	**90d surface no change**

Application:

Coating method : Electrostatic Spray or Fluidised Bed.

Thickness : 350±50μm（Strengthen 500±50μm）

Surface treatment required: Sand Blasted

Cure Schedule:

240c	**30-120 sec**
220c	**150-250sec**
200c	**250-350sec**

Transport and Storage:

Net Weight: 20 kg cardboard carton
Dangerous Goods Class: N/A Package Group: N/A
Shelf life six months when stored below 30°C/ dry conditions.
Shipping / transport: Non dangerous goods. No special transport requirements.

Health and Safety:
Refer Valveguard™ MSDS as an integral part of using this product as it contains information on the potential health effect of exposure.