

BERGER APEXIOR NO. 1

PRODUCT SCOPE

Berger Apexior No. 1 is an anti-corrosive coating for “Hot-Wet” internal metal surfaces, boiler drums, tubes, water walls, economizers, evaporators, steam accumulators, clarifiers, steam turbine casings, and water softeners in contact with hot water above 90 °C (200 °F Minimum).

PRODUCT COMPOSITION

Berger Apexior No. 1 is a blend of specialized resins with inert pigments and suitable additives which make it suitable to withstand the rough conditions of wet heat on a variety of substrates.

TECHNICAL INFORMATION

Type of Product	Single Pack – Air Drying
Supply Viscosity	28~33 P @ 30 °C
Specific Gravity	1.06~1.14
Flash Point	28~32 °C
Color	Black
Volume Solids	36~40%
Surface Dry	1~2 Hours
Over-Coating Time	6~8 Hours
Number of Coats	3 Coats
Heat Resistance	93 °C~538 °C
Coverage Capacity	Theoretical: 10 m ² /Litre @ 38 µm DFT (Assuming no loss)
Film Thickness	Wet Film Thickness: 100 µm Dry Film Thickness: 38 µm
Curing Temperature	Raise the Water Temperature Above 100 °C for 5 Hours Minimum for Complete Curing

SURFACE PREPARATION

Surface must be free from dust, dirt, rust, oil, grease or any other type of impurities. Best performance can be achieved on properly prepared surfaces, better sand blasted or at least cleaned to a total rust content not exceeding 3% of total surface area.

APPLICATION METHODS

Apply thin and even coats with brush or with roller rather than thick and uneven coats.

STORAGE AND HANDLING PRECAUTIONS

- Keep away from heat and spark sources.
- Keep under shed, away from direct sunlight.
- Keep the containers closed in storage.
- Never breathe the dust, mist, gas, and vapors from the container.
- Use the paint in ventilation.
- Store below 40 °C for best performance.

FIRST AID

In Case of Eye Splashes

- Wash with plenty of flowing cold water.
- Immediately consult the physician.

In Case of Inhalation (If the person feels dizziness or unconsciousness)

- Remove the person to open fresh air area.
- Provide artificial breathing if needed.
- Consult a doctor.

In Case of Ingestion

- Drink plenty of water or milk.
- Do not induce vomiting.
- Consult a doctor.

In Case of Skin Contact (If Irritation is felt)

- Wash with plenty of water and soap.
- Consult a doctor if irritation continues.

SPILLAGE HANDLING

- Do not wipe the place with solvent.
- Use wood sawdust and sand and thoroughly spread on the spilled paint.
- Gather the mixture, store in some waste drum and dispose off according to local environment regulations.
- Never throw out the paint in open garbage areas where fire is a norm.

SAFETY AND PRECAUTIONS

- Avoid prolonged and repeated contact with skin.
- Avoid prolonged inhalation.
- Never try to ingest the product.
- Always use safety items like goggles, mask, gloves, and apron for personal safety.
- Do not use the product in congested or poor ventilated areas.

The information contained here is in our best knowledge, true & accurate.
No guarantee of result implied, however, since conditions of use are beyond our control.
DFT may vary when multiple coats applied by roller/brush/spray gun.
The above-mentioned parameters will be achieved subject to the proper preparation of surface.
Losses may be added depending upon type of surface and means of application.