



MULTICOAT® HEATSHIELD® S810

A single/Two component high temperature coating

PRODUCT DESCRIPTION:

MULTICOAT® HEATSHIELD® S810 is a one/two (accelerator) component high build special resin based coating designed for high temperature application. It is highly tough and abrasion resistant and has increased weather resistance. Suitable for temperature up to 650 °C.

USES:

MULTICOAT® HEATSHIELD® S810 is suitable for structural steel and piping to be exposed to corrosive and high temperature environments such as:

-) Automotive, motor-bike and aircraft parts (e. g. exhaust systems, mufflers, engine parts)
-) Industrial coatings (Chimneys, furnaces, gas boilers, exhausts, vents, heat exchangers, light bulbs)
-) Household & appliances (ovens (inserts), stoves, barbecues)

BENEFITS:

-) Easy to apply and can be applied via airless spray, conventional spray, brush or roller.
-) Can be used as primer, intermediate or finish coat.
-) Very high resistance to the permeability of water, moisture, oxygen and other atmospheric pollutants.
-) Has high resistance to abrasion and mechanical damage.
-) Has superior chemical and weather resistance.
-) It solves the problem of chalking as it is unattacked by UV-radiation because of the shielding action of the lamellar pigment particles.
-) Ideal for high humidity, moisture, marine atmospheres, heavy rains, high temperatures and damp conditions.
-) High solids and cost-effective.



MULTICHEM GROUP | 1, Kirtida Bungalow, Nahur Stn. Road, Bhandup (E), Mumbai-400042,

Phone No.: 91-22-25669137, 25664890, e-mail: info@multichemgroup.net

www.multichemgroup.net

MULTICOAT HEATSHIELD S810/R0-2015

TECHNICAL DETAILS:

Product	One component special resin	
Colour	Black	Silver white
Suitable Primer	For maximum corrosion resistance, use Rustoblock Z A1218	
Recommended Temperature, °C	400	650
Touch Dry	30 minutes	
Recommended Thickness	25 micron (Do not increase beyond 20% of thickness)	
Packing	1, 4, 20 litres	
Coverage	16 m ² /lit/25 µm (allow appropriate loss factors)	

APPLICATION DATA:

Ambient Conditions for Application

Dry conditions

Minimum Temperature: 10 °C

Do not apply if the air temperature is below 10 °C.

Drying Time

Temperature, °C	Touch Dry, Minutes	Hard Dry, Hours	Overcoat Interval, hours
15	60	3	18
25	30	2	12
40	15	1	6

Preparation of Surfaces

The surface should be blast cleaned to SSPC-SP 10-63T or NACE No. 2 i.e. loose rust and scales, dirt, grease, oil, paint, wax, weak oxide films and other contaminants should be removed. Blast cleaning to SSPC-SP 5-63 or NACE No. 1 is recommended where heavy corrosive conditions exist or coating is required to be immersed. That means a surface with a grey metallic colour, slightly roughened to form a suitable anchor pattern for



MULTICOAT® HEATSHIELD® S810

A single/Two component high temperature coating

coatings. This surface is free of all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and other foreign matter. In absence of blast cleaning, prepare the metal surface by wire brushing, sanding, grinding, scrapping or chipping with hand or power tools. Remove all the contaminants. Apply one coat of **MetaPrime ZS1910** primer. Then apply one or two coats **MULTICOAT® HEATSHIELD® S810**.

A small area should always be tested to ensure adhesion and compatibility.

Application of Coating

Each component should be individually mixed to obtain homogeneous mix.

It is always advised to prime the surface with suitable primer before applying **MULTICOAT HEATSHIELD® S810** to the substrate. Apply the product by spray, brush or roller, such that surface is coated evenly. Second coat, if required, should be applied when first coat is touch dry.

CLEANING:

All tools should be cleaned with suitable cleaner immediately after use.

STORAGE:

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °C.

WARRANTY

Multichem warrants MULTICOAT® HEATSHIELD® S810 to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of MULTICOAT® HEATSHIELD® S810.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of MULTICOAT® HEATSHIELD® S810.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



MULTICHEM GROUP | 1, Kirtida Bungalow, Nahur Stn. Road, Bhandup (E), Mumbai-400042,

Phone No.: 91-22-25669137, 25664890, e-mail: info@multichemgroup.net

www.multichemgroup.net

MULTICOAT HEATSHIELD S810/R0-2015