

**PRODUCT DESCRIPTION****TWO COMPONENT COAL TAR EPOXY INTERMEDIATE COAT  
NMI760810.**

(CURING AGENT 4200150)

**NMI COAL TAR 760810:** is a high-build, modified, two-component coal tar epoxy paint, which cures to a coating with highly resistance to seawater, splashes of mineral oils, limited resistance to a number of aliphatic hydrocarbons, and good resistance to abrasion and impact.

**NMI COAL TAR 760810:** As a self-priming coatings for long term protection of steel and concrete in severely corrosive environment like emersion and buried structures and crude oil tank lining.

**Standard color availability** Manufactured in black and brown colors.

**GENERAL PROPERTIES :**

**Adhesion:** - Excellent to both primed & grit blasted and manually prepared steel surfaces.

**Corrosion Resistance:** - Excellent on correctly prepared steel surfaces and primed surfaces.

**Temperature resistance:** - Dry: Maximum 90 °C Wet: Maximum 45 °C

**PHYSICAL PROPERTIES:**

|                                   |   |
|-----------------------------------|---|
| <b>Colors/Shade No</b>            | Black\Brown.  |
| <b>Finish</b>                     | Flat.   |
| <b>Volume Solid</b>               | 70%   |
| <b>Theoretical spreading rate</b> | 7 m <sup>2</sup> /liter 100 Mic. DFT.   |
| <b>Flash point</b>                | 26 °C   |
| <b>Specific gravity</b>           | 1.35-1.45 kg/liter  |
| <b>V.O.C.</b>                     | Max. 200gr/liter  |
| <b>Shelf life</b>                 | 1 Years (25°C / 77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage. |

**MIXING:**

|                                  |                         |                          |
|----------------------------------|-------------------------|--------------------------|
| <b>Mixing ratio (by weight):</b> | Component A 760810<br>6 | Component B 4200150<br>1 |
| <b>Pot life:</b>                 | 5 hours (20 °C / 68 °F) |                          |

**APPLICATION :**

|                                      |   |
|--------------------------------------|---|
| <b>Conditions</b>                    | Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3 °C above the dew point. |
| <b>Method</b>                        | Airless sprays  |
| <b>Thinner (max. vol.)</b>           | 3001 (10-30%)   |
| <b>Spray setting</b>                 | Brush (touch-up)  |
| <b>Pump ratio minimum</b>            | 3001 (5%)   |
| <b>Tip size</b>                      | 48:1  |
| <b>Tip pressure</b>                  | 0.023" – 0.025"   |
| <b>Cleaning of tools</b>             | 200 bar / 2900 Psi  |
| <b>Indicated film thickness, dry</b> | (Airless spray data are indicative and subject to adjustment)   |
| <b>Indicated film thickness, wet</b> | Thinner 3001  |
|                                      | 70 microns  |
|                                      | 100 microns   |

## DRYING AND CURING TIMES AT (20 °C):

|                             |                       |
|-----------------------------|-----------------------|
| <b>Dry to touch</b>         | Max.5 hour            |
| <b>Hard dry</b>             | Max.24 hours          |
| <b>Full curing</b>          | 7 days                |
| <b>Recoat interval, min</b> | 8 hours               |
| <b>Recoat interval, max</b> | 30 days , see REMARKS |

## SURFACE PREPARATION:

|                        |  |
|------------------------|--|
| <b>New steel</b>       | Steel surface should ideally be abrasive blast cleaning to minimum Sa 2½. The surface must be completely clean and dry prior to application. And its temperature must be at least 3°C above the dew point to avoid condensation. |
| <b>Primed surfaces</b> | The surface should be stable, firm, dry and free of dust, sand, loose old paint, dirt, grease and oil. It is recommended to apply mid coat before exceeding maximum interval of primer.  |

## REMARKS:

|   |   |
|---|---|
| <b>PRECEDING COAT:</b>                  | Coal tar epoxy primer coat.   |
| <b>SUBSEQUENT COAT:</b>                 | Coal tar epoxy top coat.  |
| <b>Film thickness:</b>                  | May be specified in another film thickness than indicated depending on purpose and area of use.<br>This will alter spreading rate and may influence drying time and recoating intervals.<br>Normal range is 100-300 microns/ 4-12 mils. |
| <b>Thinning:</b>                        | The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner <u>3001</u> is recommended in general.  |
| <b>Recoating and drying/curing time</b> | Recoating intervals related to later conditions of temperature:<br>(150 micron/6 mils dry film thickness of NMI 760810)   |

| Physical data versus temperatures:                 |          |           |           |           |          |
|--|----------|-----------|-----------|-----------|----------|
| Surface temperature                                | 5°C/41°F | 10°C/50°F | 20°C/68°F | 30°C/86°F |          |
| Dry to touch approx.                               | 24 hours | 12 hours  | 8 hours   | 3 hours   |          |
| Resist condensing humidity/<br>light showers after | 4 days   | 2 days    | 24 hours  | 12 hours  |          |
| Fully cured  | 20 days  | 14 days   | 7 days    | 5 days    |          |
| Recoating interval with epoxy<br>top coats         | Min      | 30 hours  | 16 hours  | 8 hours   | 3 hours  |
|  | Max      | 7 days    | 4 days    | 2 days    | 36 hours |

**A completely clean surface is mandatory to ensure intercoat adhesion, especially at long Recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.  
Salts to be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.**

## SAFETY:

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RSI material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

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NMI Paint Co.

Product data sheet 760810.

**NMI** **COATING**