



**NATIONAL ANTI BLACKENING CLEAR**  
INDUSTRIAL COATINGS

**TECHNICAL DATA SHEET**

**NATIONAL ANTI BLACKENING CLEAR**

<b>PRODUCT DESCRIPTION</b>	National Anti Blackening Clear, roller application, is a Solvent free clear coat based on MMA acrylic resin technology. This product cures fast and can be opened to traffic within a short period, after application. When cured completely the product demonstrates very high adhesion to the surface, abrasion resistance, and high dirt pickup and tire mark resistance.
<b>RECOMMENDED USES</b>	National Anti Blackening Clear is recommended for edge and centerlines on freeways and highways, airports etc. Can be applied on asphalt, concrete and interlocks. This product has fast curing times and open to traffic times, with excellent cost to performance ratio over the entire life cycle period. The Clear Coat seals the Base Coat from dirt, oil and grease contamination from the movement of the vehicular traffic on the applied MMA based cold plastic marking materials.

**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	Clear
<b>FINISH, DRY FILM</b>	Glossy
<b>VOLUME SOLIDS (ASTM D2697)</b>	98 ± 2%
<b>SPECIFIC GRAVITY</b>	1.00 ± 0.02 Kg/L ( mix)
<b>THEORETICAL SPREADING RANGE</b>	3.3 - 3.9 m <sup>2</sup> /L
<b>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</b>	250-300 microns (0.25– 0.3 mm)
<b>RECOMMENDED WFT (WET FILM)</b>	250- 300 microns (0.25– 0.3 mm)
<b>FLASH POINT</b>	Not Applicable
<b>POT LIFE @30°c/ CATALYST %/ SETTING TIME</b>	Refer table provided
<b>TRAFFIC ABILITY / CURING TIME</b>	1 hour after the completion of application ( Depends on climatic conditions)
<b>SOLVENT CONTENT SOLVENT-FREE</b>	Do not add solvent while applying



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**POTLIFE / SETTING TIME**

Approved Hardener: Part B added, 2% (weight / weight) in the Anti Blackening Clear part A

<b>Temperature ( °C) ( Surface)</b>	<b>Pot life (min)</b>	<b>Setting Time ( min)</b>
5	13	35
10	11	26
20	10	22
30	8	10
40	5	8
50	5	8

**APPLICATION INSTRUCTION**

<p><b>SURFACE PREPARATION &amp; APPLICATION PROCEDURE</b></p>	<p><b><u>General Information</u></b> Immediately after application and complete curing of the MMA based National Cold Plastic Manual Marking or National Cold Plastic Area Marking Material (after 35-45 minutes of application) apply National Anti Blackening clear as recommended at 0.25-0.3 mm (250-300 microns wet film thickness) allow the material to cure completely for latest 40 minutes to 50 minutes. After complete curing, of the anti-blackening clear, the applied system can be opened to vehicular traffic.</p> <p><b><u>Application techniques</u></b> By airless spray or by short napped roller. For large-scale marking jobs self-driving marking machines are used. The detailed settings depend on the application conditions and machine type and have to be adjusted according to the instructions of the machine manufacturer. It is important to watch that material and drop-on materials are uniformly spread over the application surface and that the indicated quantities are used.</p>
<p><b>CONDITIONING DURING APPLICATION</b></p>	<p>Mix the materials Part A and Part B (catalyst) and mix homogenously for 1 minute- after addition of the catalyst powder in into Part A. Transfer the entire contents to another container, mix again for 1 minute, and start the application by automated airless spray equipment or manually by roller. The substrate temperature and material shall be between 5°C and 45°C, maximum. The substrate should be free from moisture and condensation. Quantity of material mixed, should be such that after addition of hardener, it can be consumed within the specified pot life time of the material.</p>



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<b>APPLICATION METHOD</b>	By Roller or by Airless Spray
<b>CLEANING/THINNING</b>	Special thinner required for cleaning the tools
<b>THINNER (VOLUME)</b>	Solvent-free, do not add solvent while applying
<b>MIXING RATIO BY WEIGHT</b>	Refer to the table provided
<b>APPLICATION TOOLS</b>	By Air less Spray Machine or by Roller

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	1x National Cold Plastic- Manual Marking/ Spray Marking or Area Marking (DFT depending on the project specified requirements)
	1x National Anti Blackening Clear – 250-300 gm/m <sup>2</sup> (if required for additional protection and durability )

**ADDITIONAL DATA**

<b>PACKING SIZES</b>	18 Liters, 1 USG
<b>SHELF LIFE</b>	6 months when stored at 30°C

**HEALTH & SAFETY**

<b>SAFETY PRECAUTIONS</b>	Generally, most of the MMA base paints are quite safe to handle with due precautions. As a rule, avoid skin and eye contact by wearing overalls, gloves, goggles, etc. Spillage on skin should immediately be removed by thorough washing with or suitable cleaner, water and soap. Eye should be flushed with fresh water. Avoid inhalation of vapors by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. Local safety regulations must be followed.
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**STORAGE & HANDLING**

<b>STORAGE</b>	Store the material in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources.
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**NOTE:** We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests. We reserve the right to change data without prior notice. For surface preparation, safety details refer method of statement and safety datasheets.

This data sheet is provisional and can be modified.  
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