



NATIONAL 2K CLEAR
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL 2K CLEAR

PRODUCT DESCRIPTION	A two component Acrylic Clear Topcoat mainly developed for automotive purpose. It has excellent gloss, non-yellowing, good impact resistance and weather resistance properties.
----------------------------	---

RECOMMENDED USES	Mainly recommended for taking care of automotive requirements. It can be used for other application, where impact, flexibility and weather resistance is important.
-------------------------	---

TECHNICAL DATA

COLOUR, DRY FILM	Water white clear
FINISH, DRY FILM	Smooth / Glossy
VOLUME SOLIDS (ASTM D2697)	38 ± 2%
SPECIFIC GRAVITY	0.99 ± 0.05 (mixed)
THEORETICAL SPREADING	7.5 M ² /LTR
RECOMMENDED DFT (DRY FILM)	50 Microns/Coat
RECOMMENDED WFT (WET FILM)	130 Microns/Coat
FLASH POINT	18°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	30 minutes
DRY TO RECOAT	10 – 12 hours
FULLY CURED	3 days

ADVANTAGES

NATIONAL 2K CLEAR	Excellent weather resistance, water resistance, humidity resistance. Superior mechanical properties such as impact, hardness, flexibility.
--------------------------	--

APPLICATION INSTRUCTION

SURFACE PREPARATION	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods.
----------------------------	---



NATIONAL 2K CLEAR
DECORATIVE COATINGS

TECHNICAL DATA SHEET

APPLICATION DATA

APPLICATION METHOD	Spray
CLEANING/THINNING	National 2K Thinner
THINNER (VOLUME)	Refer mixing ratio
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2000 – 2200 psi
NOZZLE SIZE	0.015” – 0.020”
MIXING RATIO (BY VOLUME)	100 parts Base + 50 parts 2K Hardener + 25 parts 2K Thinner
POT LIFE @ 30°c (100 ml)	3 – 4 hours

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National N.C. Primer Surfacer	: 1 coat
	National N.C. Putty or Polyester Putty	: 1 coat
	National N.C. Primer Surfacer	: 1 coat
	National 2K Finish / 2 K Metallic	: 1 – 2 coats
	National 2K Clear	: 1 coat

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
--------------------------	--

HEALTH & SAFETY

SAFETY PRECAUTIONS	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist 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.</p> <p>This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.</p>
---------------------------	--



**NATIONAL 2K CLEAR
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

STORAGE & HANDLING

STORAGE	Store the paint 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. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
----------------	--

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 specifier and safety data.

This data sheet supersedes all previous issued.
Issued: 0718