

TECHNICAL DATASHEET

MATTE BLACK

Ultra smooth, opaque and matte surface protection.

TECHNICAL DATA

BASIC PARAMETERS	
WARRANTY	6 YEARS
MATERIAL	POLYURETHANE
FINISH	MATTE BLACK
COATING TYPE	HYDROPHOBIC
HEALING METHOD	HEAT
THICKNESS (FILM ONLY)	150 +/- 10 UM
THICKNESS (FILM + ADHESIVE)	185 +/- 10 UM (7.5 MIL)
GLOSS	20 GU @ 60°
QUV AGING RESISTANCE	0.6 @ 2000HRS
PEEL FORCE	1688 GF/IN 24H(GB/T 2792)
ADHESION ON OEM PAINT	13-16 N/IN (5-6 N/CM)
BREAK ELONGATION	290% (+/-20) (ASTM D882)
TENSILE STRENGTH	28 MPA
LINER TYPE	PET
APPLICATION METHOD	WET
APPLICATION TEMP RANGE	13°C - 32°C

AGING TESTS

PROPERTIES	TYPICAL VALUES	TESTING CONDITIONS
HEAT AGING	NO DETRIMENTAL EFFECT	150 H @ 80°C
XENON WEATHERING	$\Delta E < 2$, 80% GLOSS RETENTION	4,300 KJ
EMMAQUA AGING	$\Delta E < 2$, 88% GLOSS RETENTION	27,500 M3/M ² , 2.3 YEAR EXPOSURE EQUIVALENT

STAIN RESISTANCE

PROPERTIES	TYPICAL VALUES	TESTING CONDITIONS
ACETONE	NO DETRIMENTAL EFFECT	IMMERSE FOR 35 MIN, CHECK AFTER 24 HOURS FOR CHANGE
GASOLINE	NO DETRIMENTAL EFFECT	IMMERSE FOR 35 MIN, CHECK AFTER 24 HOURS FOR CHANGE
MOTOR OIL	NO DETRIMENTAL EFFECT	IMMERSE FOR 35 MIN, CHECK AFTER 24 HOURS FOR CHANGE
100% ISOPROPYL ALCOHOL	NO DETRIMENTAL EFFECT	IMMERSE FOR 35 MIN, CHECK AFTER 24 HOURS FOR CHANGE

Maintenance, Cleaning & Removal

- Clean only with non-abrasive, pH-neutral (6-8), solvent-free solutions.
- Films are heat-removable for easy replacement or repositioning.

Maximum shelf life

- 24 months (with CAP), 12 months (without CAP) from date of shipment.
- Store at +15°C to +25°C, 50% max humidity, away from sunlight in original packaging. Always acclimate film to room temperature before application.



+1 (667) 222-6567



info@nanotekppf.com



nanotekppf.com