

Supplementary Information

Anticorrosion, Thermal Degradation, and Hydrophobic Performances of Graphene/ TiO_2 Nanocomposite Coatings

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Table S1: Material specifications of acrylic polyol resin (Product Name: Desmophen A 870 BA).

Material Specifications	Value	Unit of measurements
Viscosity at 23 °C	3500 ± 700	mPA.s
Density at 20 °C	1.09	g/mL
Hydroxyl content	2.95 ± 0.15	%
Butyl acetate - Solvent		-
Non-volatiles (Solid content wt.%)	70 ± 1	%

Table S2: Material specifications of NCO curing agent (Product Name: Desmodur N 75 MPA/X).

Material Specifications	Value	Unit of measurements
Viscosity at 23 °C	250 ± 75	mPA.s
Density at 20 °C	1.07	g/cm^3
NCO content	16.5 ± 0.3	%
Solvent - 1-methoxypropylacetate- 2/xylene 1:1		-
Non-volatiles (Solid content wt.%)	75 ± 1	%

Table S3: Material specifications of epoxy resin (Product Name: NPSN-901x75).

Material Specifications	Value	Unit of measurements
Viscosity at 25 °C	8000-15000	mPA.s
Density at 25 °C	1.1	g/cm^3
Epoxy equivalent weight	450-500	g/eq
Solvent - Xylene		-
Non-volatiles (Solid content wt.%)	74-76	%