TECHNICAL DATA SHEET

ADIMOK- 2121P

ADIMOK-2121P is our new adhesion promotor which is improved the compatibility with other resins and the stability under low temperature.
Adhesion to PP substrate can be made strong bond strength by using ADIMOK-2121P our paint formulation used ADIMOK-2121P adhesion promoter does not increase the viscosity, and does not show gelation.

(1) Characteristics of ADIMOK-2121P

1. Good adhesiveness to PP/EPDM and TPO without treatment.
2. Good performance to water and gasoline resistance after top-coating.
3. Good compatibility to other resins.
4. Good stability under low temperature (-5 degree C).

(2) Properties of ADIMOK-2121P

polymer	Modified Chlorinated Polyolefin
Chlorine (wt%)	21.0 ± 1.0
Viscosity (mPa•s)[a]	10 - 200
Color (Gardner)	Max.3
Product form	Pellet

• [a] 20wt% Xylene solution at 25℃

(3) Packing of ADIMOK- 2121P

20 kg NET in paper bag

(4) Compatibility of ADIMOK- 2121P

Table 1

Grade Name	Ratio (CPO/other)	ACRYDIC A-166	ACRYDIC WXU-880	ACRYDIC WDL-787	BECKOSOL EZ-3653-60	BECKOSOL EZ-3801-60	BECKOSOL P-539
2121	50/50	I	H	C	C	C	I
	25/75	I	H	C	C	C	C
	10/90	I	H	C	C	C	C
Competitor A	50/50	I	I	I	C	C	C
	25/75	I	I	I	C	C	C
	10/90	I	I	I	C	C	C

C: Compatible , H: Haze , I: Incompatible

(5) Paint performance by using ADIMOK-2121P

ADIMOK-2121P created primer paint by our original formulation (Table 2).
We evaluated the performance for paint (Fig.1).

Table 2. Primer paint formulation

TiO_2	19.1
Carbon Black	0.9
Silica	0.6
Pigment Dispersant (alkyd)	10.1
CPO	10.3
Xylene	35.9
Butyl acetate	21.6
MEK	1.5
Total	**100**

Fig.1 Coating test results of primer paint

Evaluation items			2121	Competitor A
Coating Performance	Initial adhesion	Air dry	OK	OK
		40 degree C for 30min	OK	OK
		80 degree C for 30min	OK	OK
	Water resistance	Air dry	OK	NG
		40 degree C for 30min	OK	NG
		80 degree C for 30min	OK	NG
	Gasoline resistance(min) Max.360 min	80 degree C for 30min	OK	OK
	Gasohol resistance(min) Max.120 min	80 degree C for 30min	60	60
	Peeling strength (g/cm)	80 degree C for 30min	600	480
Lower temp. stability (Liquidity , at – 5 degree C for max.30 days)			Keep	Gelation
Appearance (20 wt% Xylene solution)			Clear	Clear

Coating performance; Evaluated by flash primer

Lower temp. Stability; Checked as Xylene solution