

POWLAC Ver.3

CHOKWANG PAINT POWDER COATINGS COLOR CHART  분체도료 파우락



Company History 회사연혁

- 1947.03 '조광페인트공업사' 창업 Establishment of Chokwang Paint co.,ltd
- 1985.03 양산 제2공장 준공 (선박용 도료 및 분체도료)
Construction of second factory for Marine coatings and Powder coatings
- 1988.04 노르웨이 요턴사와 합작회사 조광요턴(주)설립
Establishment of Chokwang-Jotun joint venture with Jotun of Norway
- 1996.04 충북 음성 제3공장 준공 (목공용 도료 및 분체 도료)
Construction of third factory for Wood Coatings and Powder Coatings
- 2000.08 중국북경사무소개소 Opened Beijing office
- 2003.10 산업자원부 선정 부품, 소재 전문기업
Selected by the Ministry of Commerce, as specialized company in parts & materials
- 2006.01 제4회 환경윤리경영대상 환경친화부분대상수상
Won Grand Prize at the 4th Korea Ethical Management in Grand Prix-Friendly Environment Category
- 2007.09 베트남 현지법인 조광비나 설립
Establishment of Chokwang Vina, in Vietnam
- 2012.06 국가인적자원개발 컨소시엄 사업 운영기관 선정 / 도료교육센터 설립
Selected as an Operator for the Consortium for the HRD Ability Magnified Program by the Ministry of Employment and Labor / Establishment of Coatings training center
- 2018.03 조광페인트 이노센터 설립
Establishment of 'Chokwang Paint Inno-center'

Staple Certificate 주요인증

- 1999. 11 ISO 9001 인증 획득
- 2002. 03 ISO 14001 인증 획득
- 2004. 08 불포화 폴리에스테르수지 KS 인증 획득
- 2004. 08 Sony사 'Green Partner'선정
- 2004. 09 Volvo사 'SEM(Supplier Evaluation Model)' 평가 합격
- 2005. 06 중국강제인증제도(C.C.C)인증획득
- 2006. 01 제4회 환경윤리경영대상-환경친화부분 대상 수상
- 2006. 05 '인테르니' 국내도료업계 최초 일본 환경협회 '에코마크' 획득
- 2006. 08 분체도료'POWLAC' 독일 선급협회 인증 획득
- 2007. 01 친환경상품진흥원 '그린본드(시공접착제)'환경마크 인증
- 2010. 01 KS F 3211(건설용도막방수재) KS 인증 획득
- 2012. 07 ASQ-100 M(레진솔루션) FTA원산지인증수출자 인증 취득 (부산세관)
- 2013. 05 '자연N' 환경마크인증
- 2014. 07 폴리우레아 수지 방수 방식재 KC 인증 취득 (한국상하수도협회)
- 2015. 06 에폭시 수지계 상수 방식재 KC인증 취득 (한국상하수도협회)
- 2016. 03 한국표준협회 KS F 4922 폴리우레아수지 도막 방수재 KS 인증
- 2016. 03 한국소방산업기술원 UV도료 방염 형식승인
- 2016. 04 영국수질협회 분체도료 'POWLAC EY161' WRAS 인증
- 2016. 06 한국상하수도협회 수도용 에폭시 분체도료 KC 인증
- 2016. 08 한국공기청정협회 '자연N 내벽용 LUXE' HB마크 최우수 등급인증
- 2017. 03 한국공기청정협회 한국공기청정협회 '유비락(HGS베이스)' HB마크 최우수 등급인증
- 2018. 02 한국공기청정협회 '하우스텍스(수성내부용)' HB마크 최우수 등급인증
- 2018. 04 '자연N 팜이프리','무닉코트 하도용' 환경표지인증



대한민국을 넘어 세계로-

조광페인트는 세계 최고의 기술을 가진 화학기업으로 도약하고 있습니다.

글로벌 시대의 선두주자이자 세계 일류 화학기업으로 성장하는 조광페인트가 되겠습니다.



Technical alliances 기술제휴

제휴회사	제휴품목	제휴기간	국가
DESOTO	캔&코일용 도료	1980. 01 ~ 1988. 12	미국
N.V OXYPLAST	분체 중방식용 도료	1983. 07 ~ 1993. 08 1994. 01 ~ 1998. 12 2000. 06 ~ 2009. 05	벨기에
SILVAM	목공용도료	1984. 06 ~ 1989. 05	이탈리아
JOTUN	선박 & 중방식용 도료	1988. 01 ~ 1993. 12	노르웨이
SIRCA S.p.A	목공용 도료 & 불포화폴리에스테르수지	1996. 01 ~ 2000. 12 2002. 11 ~ 2007. 10	이탈리아
BASF	자동차 보수용 도료	1994. 09 ~ 2010. 12	독일
CANDIS	다채무늬 도료	1996. 11 ~ 2001. 10	이탈리아
FUJIKURA KASEI	플라스틱용 도료	2004. 06 ~ 2014. 05	일본
CAP Arreghini	데코레이션용 도료	2013. 03 ~	이탈리아

POWLAC의 소개 Introduce of POWLAC

POWLAC은 도료 중 용제를 함유치 않은 고형분 100%의 무공해 도료이며, 휘발성분인 용제없이 도막형성이 가능한 무용제형 분말도료로, 여러 가지 도장 방법에 의해 1회 도장으로 물체에 도착, 가열, 용융, 경화시켜 액체도료와 비교할 수 없는 고도의 내식성, 내약품성, 부착성을 얻을 수 있다. POWLAC은 작업의 효율화와 생산성의 향상을 꾀할 수 있으며, 용제사용으로 인한 용제 중독, 화재의 위험 등 유해한 요소가 없는 아주 경제적이고 환경친화적인 분말도료이다.

POWLAC is chemical-free coating of 100% solid content which does not contain solvents. The powder coating is made of a film without solvents. In comparison with liquid paints, POWLAC provides excellent corrosion resistance, chemical resistance and adhesive properties through heating, melting and curing at once among various coating methods. Productivity and efficiency can be improved by using POWLAC. It is an economical and eco-friendly powder coating that keeps us safe from harmful factors such as fire, solvent poisoning etc.

POWLAC의 일반도료 General paint of POWLAC

종류 Type	제 품 명 Product Name	경화조건(소지온도) Curingcondition (The temperature of thing)	광택 Gloss	특성 Character	용도 Purpose	비고 Remark
EPOXY (내부용)	POWLAC EY100	180℃ × 10분(min)	유광 (full gloss)	고광택, 우수한 평활성, 약품성 High-gloss, Good leveling, Chemical resistance	철재도구/수전금구 Steel tools/Faucet	
	POWLAC EY200	180℃ × 10분(min)	반광 (semi-gloss)	반광, 광택 20 ~ 40% Semi-gloss, Gloss 20 ~ 40%	철재도구/배전판 Steel tools/Power distribution board	
	POWLAC EY300	180℃ × 10분(min)	무광 (matt)	무광, 광택 4 ~ 10% Matt, Gloss 4 ~ 10%	배전판 (switchboard)	
	POWLAC EY161	240℃ × 4분(min)	유광 (full gloss)	우수한 기계적물성, 부착성, 내식성 Excellent mechanical properties, Adhesive property, Corrosion resistance	강관(Pipe)용	KSM6070 1종
	POWLAC EY163	230℃ × 1분(min)	유광 (full gloss)	우수한 부착력, 방식성, PE와의 접착력 Excellent Adhesive Property, Corrosion resistance, Excellent adhesion to PE	3Layer pipe용	
	POWLAC EY171	240℃ × 3분(min)	유광 (full gloss)	우수한 굴곡성, 방식성, 약품성 Excellent flexuosity, Corrosion resistance, Corrosion chemicals	철근용(Rebar)	KSM6070 2종
HYBRID (내부용)	POWLAC EP100	180℃ × 10분(min)	유광 (full gloss)	고광택, 우수한 기계적물성, 평활성 High-gloss, Excellent mechanical properties, Good leveling	가전제품/기계부품 일반금속제품 Household appliance/ Mechanical parts/ General metal products	
	POWLAC EP119	160℃ × 10분(min)	유광 (full gloss)	고광택, 우수한 기계적 물성 High-gloss, Excellent mechanical properties		
	POWLAC EP114	140℃ × 10분(min)	유광 (full gloss)	저온 경화용 Low temperature curing		
	POWLAC EP200	180℃ × 10분(min)	반광 (semi-gloss)	반광, 광택 20 ~ 40% Semi-gloss, Gloss 20 ~ 40%	철재가구/ 일반금속제품 Steel furniture/ General metal products	
	POWLAC EP271	180℃ × 10분(min)	반광 (semi-gloss)	반광, 광택 41 ~ 60% Semi-gloss, Gloss 41 ~ 60%		
	POWLAC EP300	180℃ × 10분(min)	무광 (matt)	무광, 광택 3 ~ 10% Matt, Gloss 3 ~ 10%		
POLY ESTER (외부용)	POWLAC PE100	200℃ × 10분(min)	유광 (full gloss)	우수한 UV저항성, 평활성, 내후성 Excellent UV resistance, Good leveling, Weather resistance	알루미늄 샷시/ 철재창문틀/ 농기구/ 가로등/ 자판기 Aluminum chassis/Steel window frames/Farming implements/streetlamp/Vending machine	
	POWLAC PE110	180℃ × 10분(min)	유광 (full gloss)	TGIC-FREE, 유광 TGIC-FREE, Full gloss		
	POWLAC PE114	140℃ × 10분(min)	유광 (full gloss)	저온소부, 우수한 UV저항성, 내후성 Low temperature curing, Excellent UV resistance, Weather resistance		
	POWLAC PE120	160℃ × 10분(min)	유광 (full gloss)	우수한 UV저항성, 내후성 Excellent UV resistance, Weather resistance		
	POWLAC PE160	160℃ × 10분(min)	유광 (full gloss)	TGIC-FREE, 유광 TGIC-FREE, Full gloss		
	POWLAC PE200	200℃ × 10분(min)	반광 (semi-gloss)	반광, 광택 30~60%, 내후성 Semi-gloss, Gloss 30 ~ 60%, Weather resistance		
	POWLAC PE210	180℃ × 10분(min)	반광 (semi-gloss)	TGIC-FREE 반광, 광택 40~60% TGIC-FREE Semi-gloss, Gloss 40 ~ 60%		
	POWLAC PE300	200℃ × 10분(min)	무광 (matt)	무광, 광택 3~10%, 내후성 Matt, Gloss 3 ~ 10%, Weather resistance		

3-150	FEL496	EP	300	GREY	(OD)	① 상품번호 PRODUCT NUMBER	④ 광택 GLOSS
①	②	③	④	⑤	⑥	② 코드명 CODE NAME	앞자리 1 __ 유광 : Full-Gloss
						③ 도료타입 PAINT TYPE	앞자리 2 __ 반광 : Semi-Gloss
						EP : Epoxy-Polyester	앞자리 3 __ 무광 : Matt
						PE : Polyester	
						EY : Epoxy	⑤ 색상 COLOR
							⑥ 거래처 CUSTOMER

 POWLAC 도료소요량 및 비용계산 POWLAC's coverage and cost calculator

$$\begin{aligned} \text{도료의 소요량 Coverage (g/m}^2\text{)} &= \frac{\text{건조도막두께 Film Thickness (\mu m)} \times \text{도료의 비중 Specific Gravity}}{\text{도착효율 Efficiency}} \\ \text{도료의 비용 Cost (W/m}^2\text{)} &= \frac{\text{도료 소요량 Coverage (g/m}^2\text{)} \times \text{도료가격 Unit cost of (W/kg)}}{1000} \end{aligned}$$

*작업 시설 등에 따라 소요량이 다를 수 있습니다. Coverage can be different depending on facilities.

 이론도포면적(m²/kg) Theoretical coverage

구 분 Classification		건조 도막두께 Film Thickness(μm)								비 고 Remark
		20	40	50	60	70	80	100	120	
도료의 진비중	1.0	50.0	25.0	20.0	16.7	14.3	12.5	10.0	8.3	일반적 도료의 진비중(예) GENNERAL POWDER'S REAL SPECIFIC GRAVITY 1. 순백색류 Pure White : 1.55~1.70 2. 아이보리/그레이류 Ivory/Grey : 1.6~1.65 3. 담색류 Light Color : 1.50~1.60 4. 흑색 및 원색류 Black/Primary Color : 1.30~1.45 5. 투명류 Clear : 1.20~1.25 *도착효율을 100%로 가정한 도포면적입니다. SUPPOSITION : EFFICIENCY 100%
	1.1	45.5	22.7	18.2	15.2	13.0	10.1	9.1	7.6	
	1.2	41.7	20.8	16.7	13.9	11.9	10.4	8.3	6.9	
	1.3	38.5	19.2	15.4	12.8	11.0	9.6	7.7	6.4	
	1.4	35.7	17.9	14.3	11.9	10.2	8.9	7.1	6.0	
	1.5	33.3	16.7	13.3	11.1	9.5	8.3	6.7	5.6	
	1.6	31.3	15.6	12.5	10.4	8.9	7.8	6.3	5.2	
	1.7	29.4	14.7	11.8	9.8	8.4	7.4	5.9	4.9	
	1.8	27.8	13.9	11.1	9.3	7.9	6.9	5.6	4.6	
	1.9	26.3	13.2	10.5	8.8	7.5	6.6	5.3	4.4	
	2.0	25.0	12.5	10.0	8.3	7.1	6.3	5.0	4.2	

 POWLAC의 특수무늬도료 Special pattern paint

제품명 Product Name	광택 Gloss	경화조건(소지온도) Curingcondition (The temperature of thing)	특성 Character	비고 Remark
HAMMERTONE	유광(Full gloss)	180℃, 200℃ × 10분(min)	함마톤무늬(HAMMERTONE TONE)	HEP, HPE
MULTI HAMMERTON	유광(Full gloss)	180℃, 200℃ × 10분(min)	다채무늬 함마톤(MULTICOLOR HAMMERTON)	HEP, HPE
촉문	반.무광(Semi-gloss, matt)	180℃ × 10분(min)	Sand paper 무늬(Sand paper TONE)	EP, PE
TEXTURE	유.반.무광(Full gloss, Semi-gloss, matt)	180℃ × 10분(min)	요철무늬(Wave TONE)	EP, PE
METALLIC	유.반.무광(Full gloss, Semi-gloss, matt)	180℃, 200℃ × 10분(min)	메타릭 도료(METALLIC Paint)	EP, PE

Standard Color

유광 Gloss



3-1 FEB229 EP100 SUPER WHITE(LG)



3-2 FEB296 EP100 WH009 WHITE #부록E



3-3 FEB344 EP100 D/WHITE #JSS



3-4 FEB311 EP100 211 WHITE #TYM



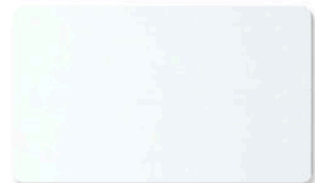
3-5 FEB230 EP100 WHITE(TW)



3-6 FEB252 EP100 간선했WHITE(SWC)



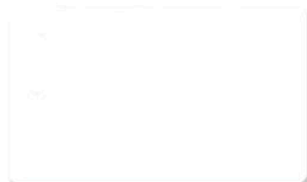
3-7 FEB136 EP100 SNOW WHITE(KM)



3-8 FEB234 EP100 WHITE(SHJ)



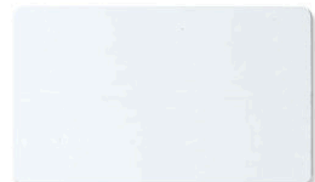
3-9 FEB655 EP100 현대 중앙 백색 #2014(H)



3-10 FEB359 EP100 N9.5 #DS



3-11 FEB034 EP100 황미백색(HT)



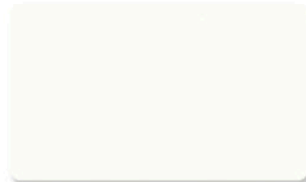
3-12 FEB171 EP100 MILKY WHITE(JY)



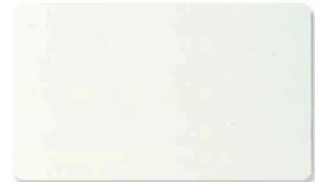
3-13 FEB803 EP100 RAL9010 #2014(K)



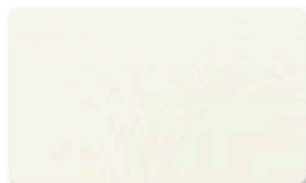
3-14 FER129 EP100 IVORY(DSM)



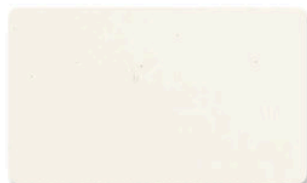
3-15 FER191 EP100 IVORY SLIM



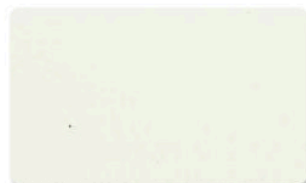
3-16 FEN880 EP100 D4386(DH)



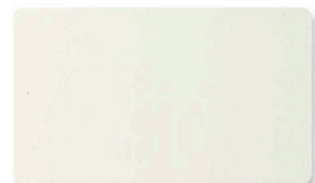
3-17 FEM813 EP100 IVORY(GS)F



3-18 FER151 EP100 R/IVORY(TH)



3-19 FER127 EP100 IVORY(SHS)



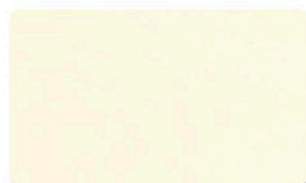
3-20 FEM795 EP100 IVORY(SW)



3-21 FEO797 EP100 CAPRI BEIGE #LG



3-22 FEN218 EP100 D30891(SAM)



3-23 FEN522 EP100 D32871(JA)



3-24 FEO152 EP100 E31851(WRP)



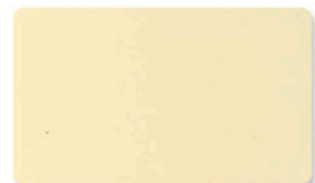
3-25 FEO281 EP100 2.5GY 9/1(YH)



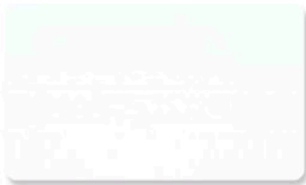
3-26 FEO874 EP100 E34890 #JW



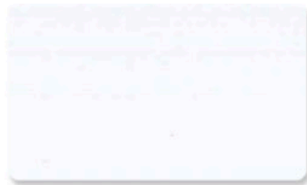
3-27 FEM981 EP100 DIC 2055(DYC)



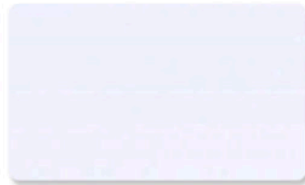
3-28 FEM776 EP100 BEIGE(SE)



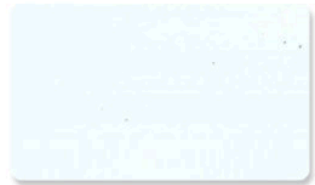
3-29 FEB363 EP100 WH069G #HJ



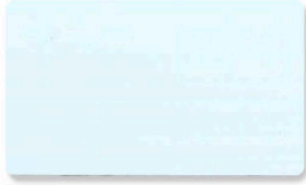
3-30 FEB242 EP100 9902 WHITE(SH)



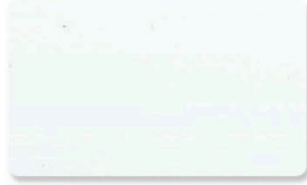
3-31 FEB037 EP100 청백색(HT)



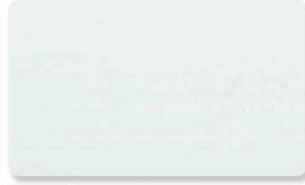
3-32 FER143 EP100 청백색(SW)S



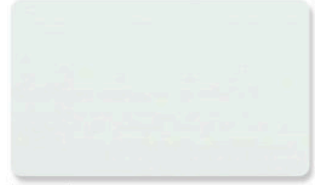
3-33 FEN667 EP100 E-55870(HSY)



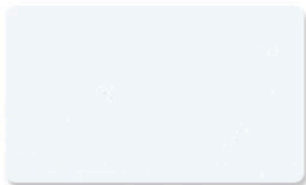
3-34 FEB201 EP100 WHITE(DIL)



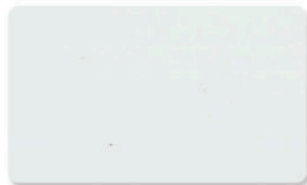
3-35 FEO604 EP100 RN710(SAK)



3-36 FEP034 EP100 중앙 WHITE #JAP



3-37 FEB169 EP100 CAVITY WHITE (SLIM)



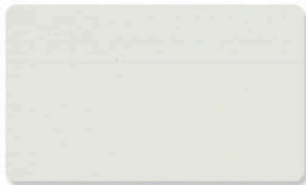
3-38 FEO218 EP100 연IVORY(HS)



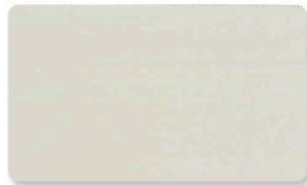
3-39 FER165 EP100 IVORY(YK)



3-40 FEN047 EP100 S/ALMOND(SS)W



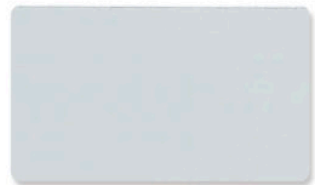
3-41 FEN739 EP100 5Y 8.5/1(HJP)



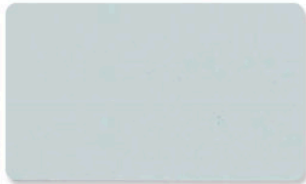
3-42 FEO481 EP100 5Y 8/1.5(HS)



3-43 FEP130 EP100 AIR WARM GREY #LG(RH)S



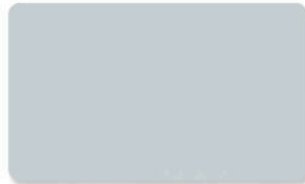
3-44 FEO148 EP100 N8,0(DWP)



3-45 FEJ794 EP100 RAL7035 #2014(K)



3-46 FEN059 EP100 500(HM)



3-47 FEM796 EP100 GREY(DJ)



3-48 FEP627 EP100 N7,0 #CNC



3-49 FEL579 EP100 GREY(S)



3-50 FEO558 EP100 D80680(DM)



3-51 FEL844 EP119 GREY(HI)



3-52 FEO762 EP100 GREY M9389A #TNP



3-53 FEM880 EP100 GREY(SN)



3-54 FEC077 EP100 BLACK GY0007(KS)



3-55 FEO124 EP100 DARK GREY(S)NT



3-56 FEC022 EP100 BLACK



3-57 FEM951 EP100 PB 30871(SIN)



3-58 FEN985 EP100 9906 Y/BEGE(DP)



3-59 FEM907 EP100 BEIGE(DJ)



3-60 FEN818 EP100 D/BEIGE(YKP)

조광페인트

3-61 FEM852 EP100 SOFT YELLOW(SS)	3-62 FEM802 EP100 YELLOW(WJ)	3-63 FEN645 EP100 황색(SJ)	3-64 FEF024 EP100 E-31799 #CH
3-65 FEL613 EP100 황색(HD)	3-66 FEN565 EP100 R/YELLOW(CHP)	3-67 FEN202 EP100 ORANGE(ESS)	3-68 FEN208 EP100 ORANGE(SAY)
3-69 FEL614 EP100 ORANGE(HT)	3-70 FEN958 EP100 S/ORANGE(TK)	3-71 FEM865 EP100 RED(HDC)	3-72 FEM935 EP100 RED(BY)
3-73 FEL588 EP100 FIRE RED	3-74 FED043 EP100 RED(SK)	3-75 FEN965 EP100 연자주색(S)	3-76 FEN828 EP100 RED PINK(IK)
3-77 FEM798 EP100 PINK(SA)	3-78 FEO367 EP100 KR PINK(SRC)	3-79 FEH051 EP100 BLUE(DWP)	3-80 FEL615 EP100 BLUE(HD)
3-81 FEH076 EP100 DY CRYSTAL BLUE(DWP)	3-82 FEO370 EP100 MAX BLUE(HD)	3-83 FEO728 EP100 BLUE #SA	3-84 FEL894 EP119 D/BLUE(SH)
3-85 FEC033 EP119 BLACK G-60(MK)	3-86 FEH048 EP100 진청색(DG)	3-87 FEJ796 EP100 7.5BG6/1.5 #2014(K)	3-88 FEN537 EP100 G/GREY G70(CHP)
3-89 FEJ795 EP100 5Y 7/1(HD)#2014(K)	3-90 FEO100 EP100 L/GREEN(SRC)	3-91 FEN747 EP100 L/GREEN(Y)	3-92 FEM925 EP100 L/GREEN(DP)

본 Color Book 색상은 실제도료의 색상과 작업공정상 약간의 차이가 있을 수 있습니다.



3-117 **FEM348** EP200 NEW ALMOND(IL)



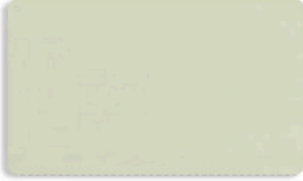
3-118 **FER252** EP200 D32871 #대원



3-119 **FEJ217** EP200 3873-IH #DS



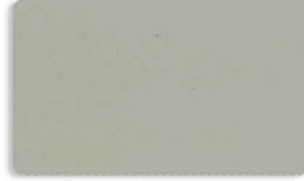
3-120 **FER224** EP200 판넬 IVORY #YH



3-121 **FEJ136** EP200 IVORY C304 #KH



3-122 **FEP016** EP200 RAL 7032 #SWS



3-123 **FEL661** EP271 5Y7/1(HS)



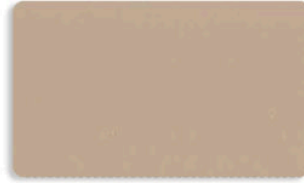
3-124 **FEJ223** EP200 RAL7032 #YH



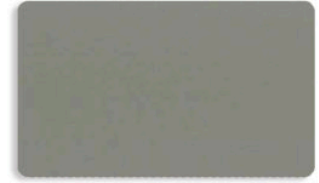
3-125 **FEM332** EP200 5Y7/1(DSD)



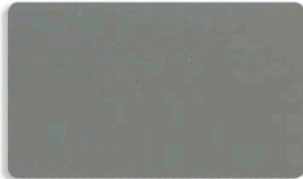
3-126 **FEP424** EP271 5Y7/1 #YH



3-127 **FEP682** EP200 4M2 BEIGE #HE



3-128 **FEZ418** EP200 G-296002



3-129 **FEL665** EP271 L/BROWN(OD)



3-130 **FEP629** EP271 L/BROWN #HK



3-131 **FEL650** EP271 BROWN 반광(OD)



3-132 **FEP044** EP271 7.5BG 7/2 #JK



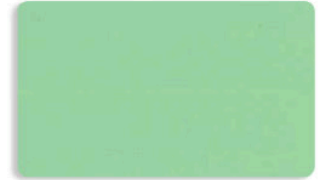
3-133 **FEL766** EP271 7.5BG 7/2(HDS)



3-134 **FEP095** EP271 7.5BG 7/2 (K) #JK



3-135 **FEL662** EP271 7.5BG 6/1,5(HS)



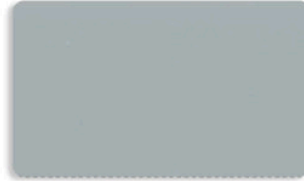
3-136 **FEG350** EP200 10GY 8/4 #2014(K)



3-137 **FEG052** EP200 DEEP GREEN #YH



3-138 **FEH223** EP200 TNT BLUE #HD



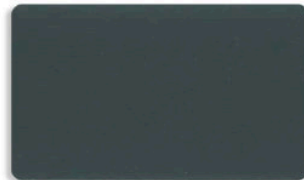
3-139 **FEL706** EP271 GREY N7.0(HAN)



3-140 **FEP841** EP200 C80680 #YJ



3-141 **FEM395** EP200 D/GREY(DWP)



3-142 **FEM456** EP200 GREY(OD)



3-143 **FEM525** EP200 RD/GREY(YJS)



3-144 **FEC099** EP200 흑색 반광(NDP)



3-145 **FEC023** EP200 흑색반광(DH)



3-146 **FEO631** EP200 D/BROWN(YJ)

일반품

주요품

중금속 함유

상도투명 필요



일반품

주문품

중금속 함유

상도투명 필요

- ※  중금속으로 표기된 제품은 중금속 Free로 설계할 경우 색상이 다를 수 있으며, 공급단가가 상승되므로 사전 협의 후 사용하시기 바랍니다.
- ※  Silver, Copper, Gold 등 메탈릭 성분이 가미된 색상은 습기 및 내약품성에 민감하므로 반드시 투명 상도 도장을 해야합니다.

Semi - Gloss

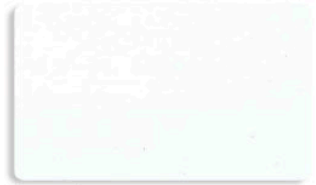
반광



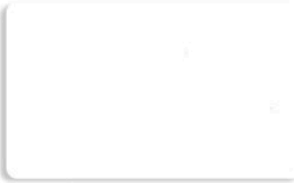
These color samples are as close as possible to actual colors offered.

Matt

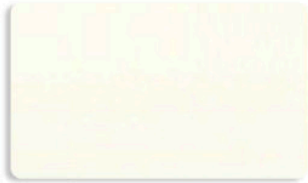
무광



3-147 FEB093 EP300 9904 WHITE(SH)



3-148 FEB361 EP300 D80940 #HJ



3-149 FER107 EP300 IVORY(DSM)



3-150 FEL496 EP300 GREY(OD)



3-151 FEL495 EP300 GREY(DJB)



3-152 FEO709 EP300 국방색(신) #DG



3-153 FEL489 EP300 D/BROWN(KM)



3-154 FEC019 EP300 흑색무광(S)



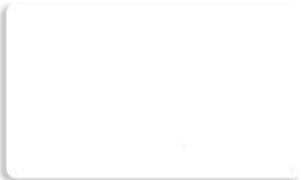
3-155 FEC100 EP300 흑색 무광(NDP)

Exterior

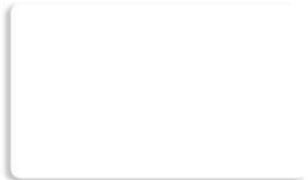
외장재용



3-156 FRM557 PE100 RAL9010 #2014(K)



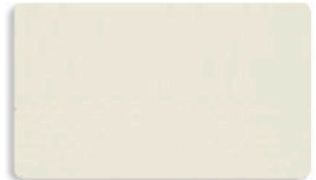
3-157 FRB061 PE100 SKY WHITE #PDW



3-158 FRB053 PE120 백색(SH)



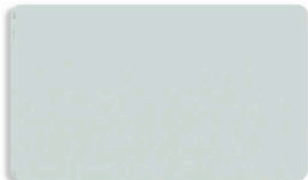
3-159 FRL583 PE120 B/WHITE #YJ



3-160 FRL539 PE120 SAMA BEIGE(SWS)



3-161 FRR038 PE120 E-32871(SH)



3-162 FRL820 PE200 RAL7035 반광 #HS



3-163 FRL745 PE200 RAL7032 반광 #HS



3-164 FRM558 PE100 RAL7032 #2014(K)



3-165 FRL858 PE200 5Y 7/1 반광 (HS)신



3-166 FRL934 PE200 RAL7036 반광 #HS



3-167 FRL855 PE200 5BG 7,0/0,4 반광 (HS)신



3-168 FRL743 PE120 LPG GREY #HJ



3-169 FRL447 PE120 9902 연녹색(SHP)



3-170 FRG027 PE120 F/GREEN #KMP



3-171 FRL477 PE120 EVER GREEN(SH)



3-172 FRL419 PE120 97C/BLUE(SWS)

These color samples are as close as possible to actual colors offered.

조광페인트



3-173 FRL692 PE120 LPG GREY #NDP



3-174 FRM262 PE200 기와진회색 반광 #CKT



3-175 FRL511 PE120 D/GREY(DY)



3-176 FRC033 PE120 흑색 #SH



3-177 FRL461 PE120 MAHINDRA RED(DY)



3-178 FRL834 PE200 N7.0 반광 (배전)



3-179 FRA011 PE100 투명



3-180 FRA022 PE300 투명 무광 #ORK

Function

기능성



3-181 FEZ466 EP200 대전방지용 E-34890 #TLP



3-182 FEJ218 RH271 5Y 7/1 #YH(난연)



3-183 FKZ007 EY ZINC PRIMER#KS



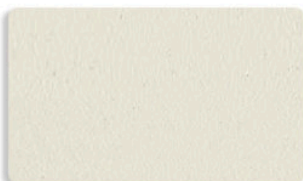
3-184 FEC135 EP300 대전방지용 BLACK #SJP

Special pattern

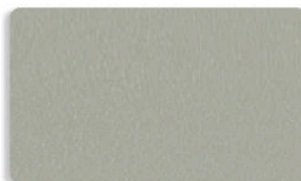
특수무늬



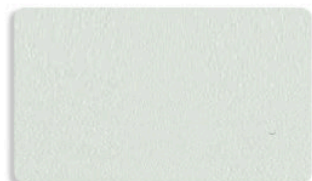
3-185 FEL200 EP100 98 IVORY TEXTURE (HSG)



3-186 FEM205 EP200 PANTONE 1C TEXTURE (HSG)



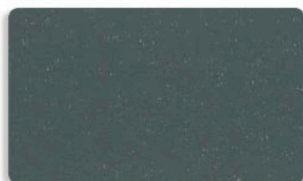
3-187 FEL055 EP200 5Y 7/1 TEXTURE(SWS)



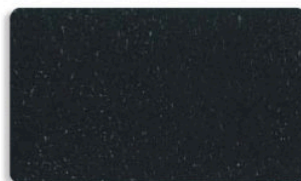
3-188 FEM472 EP200 DIC546 1/2 촉문 (CHW)



3-189 FEM269 EP200 D/GREY 촉문(HT)



3-190 FEL351 EP200 D/GREY TEXTURE (DWP)



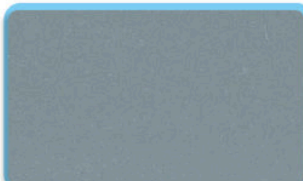
3-191 FEL144 EP200 BLACK TEXTURE



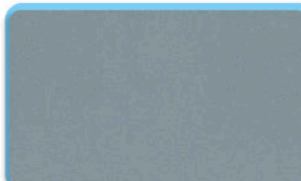
3-192 FEC041 EP200 BLACK 302 촉문(TH)



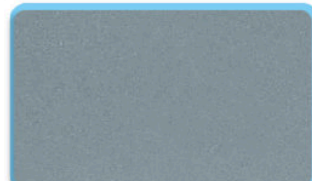
3-193 FEC020 EP300 BLACK WRINKLING (CRC)



3-194 FEK010 BEP100 LIGHT SILVER

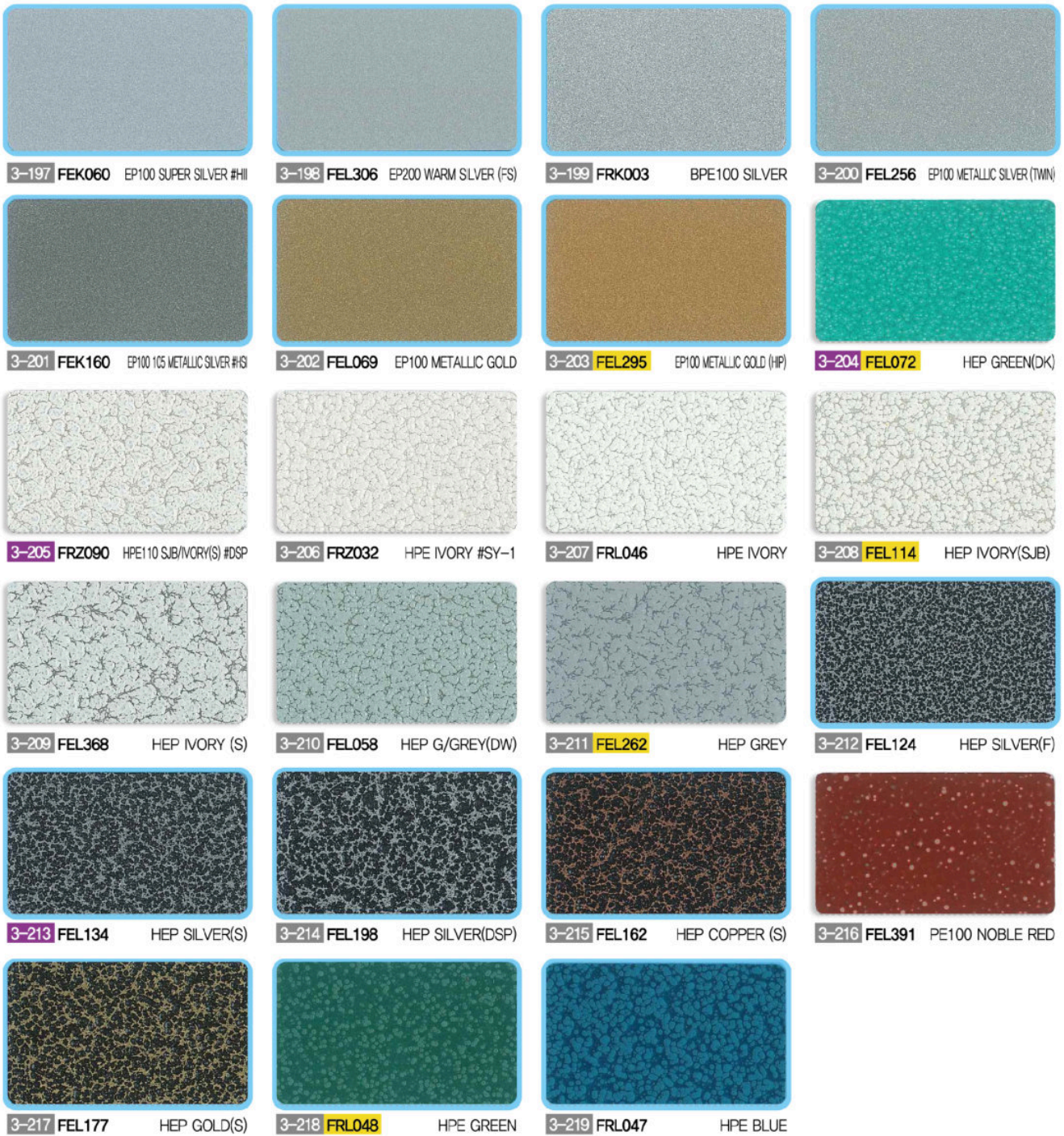


3-195 FEL079 EP100 METALLIC SILVER (VR)



3-196 FEK066 EP100 WB METALLIC SILVER #TIV

본 Color Book 색상은 실제도로의 색상과 작업공정상 약간의 차이가 있을 수 있습니다.



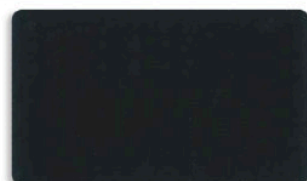
사용시 주의사항

1. 본 컬러북에 등재된 제품은 대부분 상비품으로 수일내 공급 가능하나, 일부 주문생산품도 포함되어 있으므로 표기사항을 확인하시기 바랍니다.
2. 용도에 따라 내/외부용 제품을 구분하여 사용하십시오.
3. Silver, Copper, Gold 등 메탈릭 성분이 가미된 색상은 습기 및 내약품성에 민감하므로 반드시 투명 상도 도장을 해야합니다.
4. 제품 적용시 Data Sheet 및 도장시양서를 확인한 후 적용바라며, 기타 문의사항은 기술자료집을 참고하시거나 안내전화로 이용하시기 바랍니다.
5. 색상표에 등재된 색상은 실제 도료의 색상과 작업공정 특성으로 인해 약간의 차이가 있을 수 있으므로 사전 확인 후 사용하시기 바랍니다.

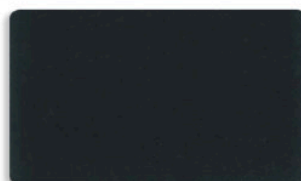
중금속으로 표기된 제품은 중금속 Free로 설계할 경우 색상이 다를 수 있으며, 공급단가가 상승되므로 사전 협의 후 사용하시기 바랍니다.

광택비교

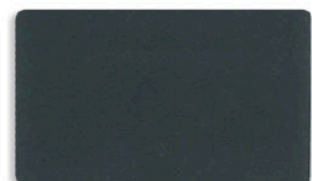
유광/반광/무광



3-56 FEC022 EP100 BLACK



3-144 FEC099 EP200 흑색 반광 (NDP)



3-155 FEC100 EP300 흑색 무광 (NDP)

These color samples are as close as possible to actual colors offered.

제품명 products name			제품명 products name			제품명 products name		
색상명 color name			색상명 color name			색상명 color name		
MUNSELL COLOR			MUNSELL COLOR			MUNSELL COLOR		
3-1	FEB229	1.1PB 9.3/0.7	3-44	FEO148	5.7GY 8.0/0.2	3-87	FEJ796	7.5BG 6/1.5
3-2	FEB296	4.3BG 9.4/0.1	3-45	FEJ794	4.0BG 7.9/0.3	3-88	FEN537	3.0BG 6.7/1.3
3-3	FEB344	6.0GY 9.3/0.1	3-46	FEN059	10.0Y 7.6/0.3	3-89	FEJ795	5Y 7/1
3-4	FEB311	5.6PB 9.2/0.1	3-47	FEM796	2.7G 7.8/0.2	3-90	FEO100	2.0G 7.5/3.3
3-5	FEB230	2.5B 9.3/0.2	3-48	FEP627	7.1GY 6.9/0.2	3-91	FEN747	0.3G 7.5/5.3
3-6	FEB252	1.6B 9.5/0.1	3-49	FEL579	1.8PB 6.5/0.3	3-92	FEM925	3.0G 6.2/8.7
3-7	FEB136	1.0Y 9.3/0.1	3-50	FEO558	0.7BG 6.5/0.2	3-93	FEN726	2.5G 6.0/3.0
3-8	FEB234	7.3Y 9.3/0.2	3-51	FEL844	0.9PB 6.4/0.3	3-94	FEN494	10.0GY 6.4/6.9
3-9	FEB655	8.6GY 9.4/0.1	3-52	FEO762	1.5PB 6.1/1.0	3-95	FEG028	0.8G 4.7/6.0
3-10	FEB359	1.6GY 9.4/0.3	3-53	FEM880	5.5B 5.3/0.6	3-96	FEN024	3.9G 4.2/7.0
3-11	FEB034	2.1Y 9.4/0.3	3-54	FEC077	4.8PB 3.5/0.1	3-97	FEN317	3.6BG 6.3/5.5
3-12	FEB171	9.3G 9.0/0.1	3-55	FEO124	9.1Y 3.2/0.1	3-98	FEG063	4.5BG 4.5/3.0
3-13	FEJ803	5.7Y 9.2/0.6	3-56	FEC022	5.7PB 2.6/0.1	3-99	FEO560	5.9BG 3.5/2.7
3-14	FER129	7.3Y 9.2/0.7	3-57	FEM951	1.0Y 8.5/2.8	3-101	FEJ019	5.2YR 3.8/2.8
3-15	FER191	9.2Y 9.3/0.7	3-58	FEN985	10.1YR 7.8/4.5	3-102	FEM868	4.0YR 3.4/2.1
3-16	FEN880	2.3GY 9.1/0.6	3-59	FEM907	1.8Y 6.1/3.3	3-103	FEP192	3.4YR 3.1/0.6
3-17	FEM813	5.6Y 8.9/1.2	3-60	FEN818	2.3Y 5.3/1.1	3-104	FEO828	4.9R 2.8/0.2
3-18	FER151	3.5Y 8.8/1.2	3-61	FEM852	5.3Y 8.8/4.2	3-105	FEB063	1.1B 9.2/0.3
3-19	FER127	5.7Y 8.8/0.9	3-62	FEM802	3.8Y 8.2/9.5	3-106	FEB368	7.9B 9.0/0.3
3-20	FEM795	5.0Y 8.9/1.0	3-63	FEN645	1.6Y 7.9/11.7	3-107	FER071	5.5GY 8.8/0.2
3-21	FEO797	2.8Y 9.3/1.1	3-64	FEF024	0.9Y 7.6/11.5	3-108	FEP413	1.8Y 8.2/0.3
3-22	FEN218	2.2Y 9.0/1.6	3-65	FEL613	9.6YR 7.2/10.9	3-109	FEJ797	6.3Y 9.1/0.6
3-23	FEN522	4.7Y 9.0/1.8	3-66	FEN565	8.4YR 6.9/11.4	3-110	FER066	7.3Y 9.1/0.8
3-24	FEO152	2.7Y 8.6/1.6	3-67	FEN202	1.6YR 5.9/11.5	3-111	FEP681	3.4Y 9.0/1.6
3-25	FEO281	2.5GY 9.0/1.0	3-68	FEN208	10.0R 5.6/12.3	3-112	FEJ798	8.4GY 7.5/0.4
3-26	FEO874	7.5Y 9.1/1.6	3-69	FEL614	7.8R 4.9/13.0	3-113	FEP863	9.0BG 7.8/0.1
3-27	FEM981	6.5Y 9.1/1.9	3-70	FEN958	8.6R 4.9/12.3	3-114	FEM203	3.2Y 7.1/0.5
3-28	FEM776	2.9Y 8.8/3.0	3-71	FEM865	7.2R 4.4/12.2	3-115	FEB322	2.0Y 9.3/0.3
3-29	FEB363	5.2PB 9.2/1.5	3-72	FEM935	6.2R 4.1/11.6	3-116	FEP141	8.3Y 8.8/0.3
3-30	FEB242	6.6PB 9.0/1.1	3-73	FEL588	5.6R 4.1/10.7	3-117	FEM348	9.0BG 7.8/0.1
3-31	FEB037	8.9PB 8.9/2.2	3-74	FED043	4.5R 3.6/8.5	3-118	FER252	7.1Y 8.8/1.7
3-32	FER143	8.9BG 9.1/0.4	3-75	FEN965	3.4R 3.4/7.3	3-119	FEJ217	7.2Y 8.6/1.9
3-33	FEN667	3.4B 8.8/1.2	3-76	FEN828	1.0R 3.2/4.1	3-120	FER224	9.6Y 8.0/1.3
3-34	FEB201	0.5G 8.9/0.2	3-77	FEM798	5.2RP 7.4/7.4	3-121	FEJ136	0.2GY 8.1/1.4
3-35	FEO604	5.6GY 8.6/0.4	3-78	FEO367	3.6RP 6.8/10.2	3-122	FEP016	7.2Y 6.7/1.4
3-36	FEP034	5.1GY 8.6/0.4	3-79	FEH051	9.7B 7.1/6.0	3-123	FEL661	5.0Y 7.0/1.0
3-37	FEB169	0.5B 8.8/0.2	3-80	FEL615	0.5PB 4.8/9.6	3-124	FEJ223	7.0Y 6.7/1.3
3-38	FEO218	2.6GY 8.5/0.1	3-81	FEH076	5.7PB 4.1/9.9	3-125	FEM332	5.0Y 7.0/1.0
3-39	FER165	10.0Y 8.3/0.7	3-82	FEO370	6.3PB 5.6/8.9	3-126	FEP424	5.0Y 7.0/1.0
3-40	FEN047	2.4Y 8.4/1.3	3-83	FEO728	7.3PB 3.3/10.9	3-127	FEP682	8.5YR 6.7/2.5
3-41	FEN739	5.0Y 8.5/1.0	3-84	FEL894	5.7PB 2.9/3.5	3-128	FEZ418	0.5Y 5.2/1.2
3-42	FEO481	4.9Y 8.1/1.0	3-85	FEC033	2.1P 2.5/0.0	3-129	FEL665	9.5YR 5.3/1.0
3-43	FEP130	2.1Y 7.7/0.6	3-86	FEH048	8.2PB 2.8/2.0	3-130	FEP629	0.2Y 5.2/0.6

제품명 products name		색상명 color name
MUNSELL COLOR		
3-131	FEL650	6.0YR 3.9/0.4
3-132	FEP044	7.5BG 7.0/2.0
3-133	FEL766	7.5BG 7.0/2.0
3-134	FEP095	7.5BG 7.0/2.0
3-135	FEL662	7.5BG 6.0/1.5
3-136	FEG350	10GY 8/4
3-137	FEG052	1.8G 3.2/2.2
3-138	FEH223	2.5PB 4.4/10.5
3-139	FEL706	2.9Y 6.6/0.1
3-140	FEP841	1.4PB 6.3/0.5
3-141	FEM395	7.0B 4.0/0.3
3-142	FEM456	8.6G 3.6/0.0
3-143	FEM525	2.6PB 3.2/0.1
3-144	FEC099	9.6PB 2.6/0.0
3-145	FEC023	9.4PB 2.6/0.0
3-146	FEO631	9.2R 2.8/0.3
3-147	FEB093	6.6BG 9.1/0.2
3-148	FEB361	3.2GY 9.1/0.3
3-149	FER107	8.3Y 8.8/0.9
3-150	FEL496	4.4Y 7.3/0.4
3-151	FEL495	8.2B 4.8/0.4
3-152	FEO709	6.6GY 3.5/1.8
3-153	FEL489	4.0YR 2.9/0.6
3-154	FEC019	5.0PB 2.6/0.1
3-155	FEC100	5.8PB 2.6/0.1
3-156	FRM557	7.5Y 9.3/0.4
3-157	FRB061	7.3GY 9.5/0.1
3-158	FRB053	6.2BG 9.4/0.1
3-159	FRL583	4.0B 8.6/0.6
3-160	FRL539	5.6Y 8.5/1.1
3-161	FRR038	5.2Y 8.8/2.1
3-162	FRL820	5.8GY 7.9/0.4
3-163	FRL745	8.2Y 7.1/1.2
3-164	FRM558	6.3Y 7.0/1.1
3-165	FRL858	5.0Y 7.0/1.0
3-166	FRL934	1.4GY 6.5/0.6
3-167	FRL855	5BG 7.0/0.4
3-168	FRL743	2.6PB 5.8/1.0
3-169	FRL447	7.2GY 6.9/8.2
3-170	FRG027	8.9GY 6.8/8.4
3-171	FRL477	1.6BG 3.3/3.2
3-172	FRL419	4.9PB 4.4/8.9
3-173	FRL692	2.9PB 5.2/0.9

제품명 products name		색상명 color name
MUNSELL COLOR		
3-174	FRM262	5.3Y 3.7/0.5
3-175	FRL511	3.2PB 3.1/0.6
3-176	FRC033	5.7PB 2.6/0.1
3-177	FRL461	4.8R 3.9/9.6
3-178	FRL834	4.2GY 6.8/0.0
3-181	FEZ466	8.4Y 8.3/1.6
3-182	FEJ218	5.0Y 7.0/1.0
3-183	FKZ007	1.0B 3.9/0.4
3-184	FEC135	6.9PB 2.4/0.1
3-185	FEL200	7.4Y 9.2/0.3
3-186	FEM205	4.8Y 8.4/1.2
3-187	FEL055	6.2Y 6.7/1.1
3-188	FEM472	1.9GY 8.1/0.8
3-189	FEM269	2.0PB 3.7/0.7
3-190	FEL351	3.1B 4.1/0.3
3-191	FEL144	5.9PB 2.6/0.1
3-192	FEC041	7.1PB 2.5/0.1
3-193	FEC020	5.1PB 2.4/0.1
N COLOR		
3-10	FEB359	N9.5
3-115	FEB322	
3-116	FEP141	N9.0
3-44	FEO148	N8.0
3-113	FEP863	
3-48	FEP627	N7.0
3-139	FEL706	
3-178	FRL834	
RAL COLOR		
3-122	FEP016	RAL7032
3-124	FEJ223	
3-162	FRL820	
3-164	FRM558	
3-45	FEJ794	RAL7035
3-112	FEJ798	
3-163	FRL745	
3-166	FRL934	RAL7038
3-13	FRJ803	RAL9010
3-109	FRJ797	
3-156	FRM557	
DIC COLOR		
3-27	FEM981	DIC2055
3-188	FEM472	DIC546

제품명 products name		색상명 color name
한국페인트잉크협동조합 COLOR		
C COLOR		
3-140	FEP841	C80680
D COLOR		
3-22	FEN218	D30891
3-23	FEN522	D32871
3-50	FEO558	D80680
3-94	FEN494	D39684
3-118	FER252	D32871
3-148	FEB361	D80940
E COLOR		
3-33	FEN667	E-55870
3-64	FEF024	E-31799
3-161	FRR038	E-32871
3-181	FEZ466	E-34890
G COLOR		
3-128	FEZ418	G-296002

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