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Eco-Friendly Powder Coatings

KARUMEL

국내 최초로 개발한 분체 도료로서 용제형 도료 사용으로 인한 폐수처리 등의 공해문제를 해결할 뿐만 아니라 도막성능 또한 용제형 도료에 비해 우수한 도료입니다.

가루멜 COLOR CARDS 2017 COLLECTION



2017
Collection

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고객상담실 080-022-8200

• 서 울 서울특별시 서초구 강남대로 587	(02) 2015-8500	• 전 주 전라북도 전주시 덕진구 동곡로 84	(063) 211-5300
• 성 남 경기도 성남시 분당구 대왕판교로 210	(031) 728-6800	• 광 주 광주광역시 광산구 무진대로 270	(062) 943-8211
• 경기북부 경기도 고양시 덕양구 고양대로 1994-1	(031) 841-0208	• 목 포 전라남도 목포시 평화로 2	(061) 280-5935
• 수 원 경기도 수원시 팔달구 경수대로 472	(031) 235-5001	• 순 천 전라남도 순천시 장선배기길 3	(061) 722-7722
• 안 산 경기도 안산시 단원구 선부광장1로 92 메이퀀오피스텔 206호	(031) 487-7534	• 대 구 대구광역시 중구 태평로 111	(053) 252-0227
• 인 천 인천광역시 서구 중봉대로 393번길 26	(032) 582-3567	• 구 미 경상북도 구미시 산동면 침단기엄7로 103	(054) 453-4530
• 원 주 강원도 원주시 복원로 2461	(033) 744-6821	• 포 향 경상북도 포항시 남구 회망대로 695	(054) 281-5059
• 강 릉 강원도 강릉시 연곡면 연주로 135	(033) 662-1705	• 부 산 부산광역시 금정구 중양대로 1628	(051) 580-5200
• 대 전 대전광역시 대덕구 신탄진로 150	(042) 635-4323	• 울 산 울산광역시 북구 진장유통로 28-17	(052) 287-0811
• 청 주 충청북도 청주시 흥덕구 2순환로 1130 스타로미안 7층	(043) 262-4200	• 창 원 경상남도 창원시 의창구 무역로 563	(055) 265-3211
• 천 안 세종특별자치시 전의면 소정구길 40	(044) 550-5601	• 제 주 제주특별자치도 제주시 연삼로 340	(064) 726-8870
• 당 진 충청남도 당진시 신명면 서해로 6719	(041) 363-4266	• 홀씨씨인테리어 인천점 인천광역시 서구 중봉대로 393번길 26	(032) 570-7000

제품의 사양 및 공법은 변경될 수 있으므로 본 책자에 기재된 내용과 다르게 적용할 때에는 반드시 당사 기술진과 사전에 상담바랍니다.

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환경친화형 분체도료 - 가루멜 POWDER COATINGS KARUMEL

가루멜은 환경친화형 도료 개발의 일환으로 KCC가 국내 최초로 개발한 분체도료로서 용제형 도료 사용으로 인한 폐수처리문제 등의 공해문제를 해결할 뿐 아니라 도막성능 또한 용제형 도료에 비해 매우 우수한 도료입니다. 또한 지금까지 분체도료로서 나타낼 수 없었던 크랙킹, 멀티트, 스트러처 등의 특수무늬를 내는 도료를 개발하여 공급하고 있을 뿐 아니라 최근에는 수도관, 가스관 등의 파이프용 도료 및 철근(Rebar)용 분체도료와 전기절연 성능을 갖는 절연분체도료를 자체기술로 개발하여 국내·외 산업계에 생산·공급하고 있습니다.

가루멜 분체도료 제품 유형별 INDEX

구분						* M.T : Metal Temperature, 소지온도 기준	
일반분체	일반	수지 TYPE	제품코드	광택	경화조건 (M.T) *	특성 및 용도	
		Epoxy	EX8700	모든광택	다양	일반형 (부식 방지용, 자동차 Underhood 부품 등)	
		Hybrid	EX8816			일반형 (가전제품, 실내용구, 건축내장재, 자동차 부품 등)	
		Polyester	PX8576			일반형 (건축외장재, 외부용 가구, 자동차 부품 등)	
			PX8576-LS			피부 민감성 저감도료 (건축외장재, 외부용 가구, 자동차 부품 등)	
		Poly Urethane	PX4324			TGIC Free (건축외장재, 외부용 가구, 자동차 부품 등)	
고기능성	저온경화	Hybrid	EX4518	모든광택	유광 : 140℃×10분 반무광 : 150℃×10분	저온경화형	
		Polyester	PX4600		160℃×10분	TGIC Free 저온경화	
	고내후성	Polyester	PX4343	모든광택	200℃×10분	고내후성 (건축외장용, 판넬, 자동차 외장부품 등)	
			PX4345			초고내후성 (건축외장용, 판넬, 자동차 외장부품 등)	
	클리어	Acryl	AX4100	유광	175℃×15분	Al-Wheel 및 기타 High Gloss용 Clear	
		Hybrid	EX4420	유광	180℃×10분	저독성	
	기포방지용	Polyester	PX8576-AF	유광	180℃×10분	기포방지용 (알루미늄 다이캐스팅, 주물)	
			PX4324-AF			기포방지용 (TGIC Free)	
	고내식성 하도	Epoxy	EX8700-ZR	유광	180℃×10분	징크리치 프라이머	
		Hybrid	EX8816-ZR			징크리치 프라이머	
특수무늬	대전방지용	Hybrid	EX4511-ECP	모든광택	유광 : 180℃×10분 반무광 : 180℃×14분	Electric Conductive Plus 등급	
		셀프크리닝	Hybrid	PX4324-SC	유광	180℃×10분	가전제품, 외부용 가구, 건축외장재, 자동차 부품 등
	함마톤	Hybrid	EX8816(H)-HF	유광	180℃×10분	일반형	
		Polyester	PX8583(H)-HF			일반형	
	스트러처	Hybrid	PX8583(H)-MT	유광	180℃×10분	멀티 함마톤	
			EX8816-SR			내부용 (비오염)	
		Hybrid	EX8816(S)-SR			내부용 (비오염)	
	텍스처(샌드톤)	Polyester	PX4331-SR	무광	180℃×10분	외부용	
		Hybrid	EX4505(S)-TX			내부용	
		Polyester	PX4332(S)-TX			외부용	
	메탈릭	Hybrid	EX8816(M)	모든광택	유광 : 180℃×10분 반무광 : 180℃×14분	내부용	
		Hybrid	EX8816(M)-NC			내부용 (상도삭제형)	
		Polyester	PX8576(M)			외부용	
	본딩 메탈릭	Hybrid	PX8576(M)-NC	유광	180℃×10분	외부용 (상도삭제형)	
			EX6100			내부용	
			EX8816(N)			마이크(펠) 질감	
	Crack	Hybrid	EX4503-CR	유광	180℃×10분	Crack 무늬형성	
		Hybrid	EX8801(M)-HS	유광	180℃×10분	High Sparkle 메탈릭	

※ Hybrid, Epoxy Type은 옥외용으로는 추천하지 않습니다.

※ 강관/절연분체 등 일부 특수품목은 포함되어 있지 않습니다.

※ Polyester Type은 옥내·외 모두 적용 가능합니다.

※ HQ : High Quality (기준 도료대비 기능/물성/내열 등 향상 버전)

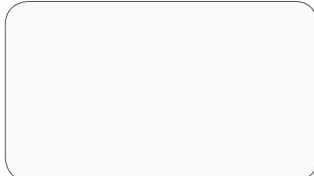
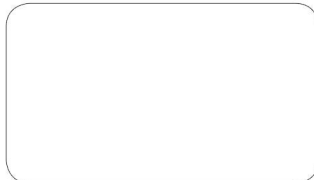
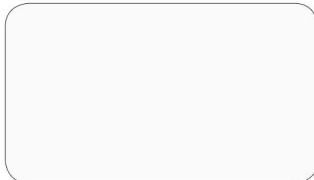
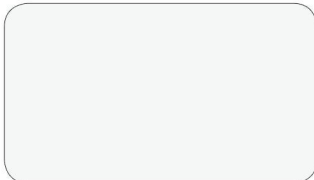
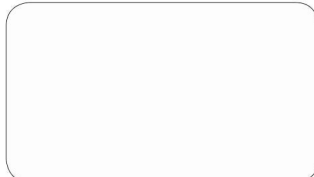
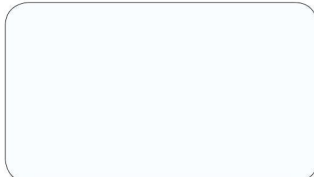
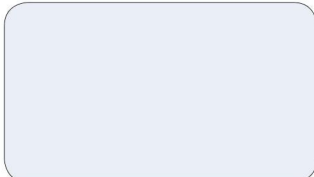
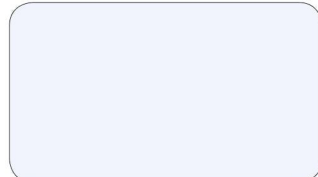
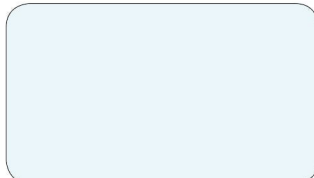
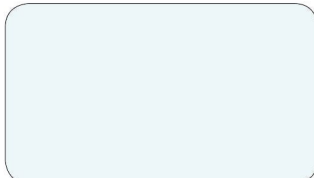
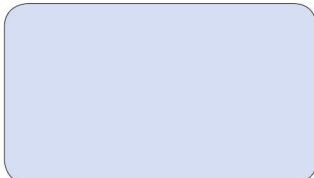
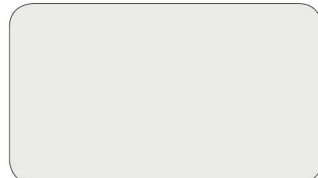
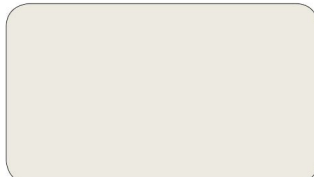
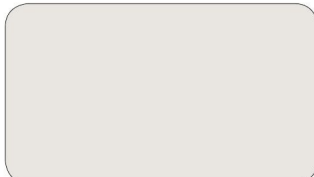
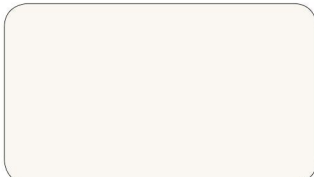
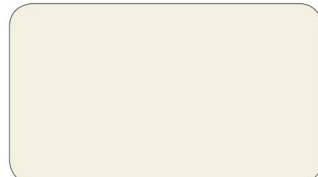
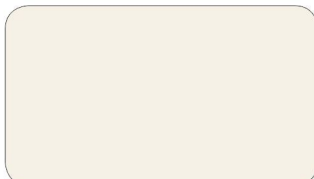
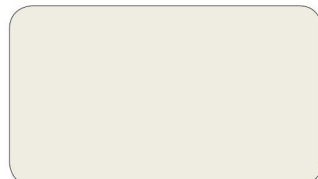
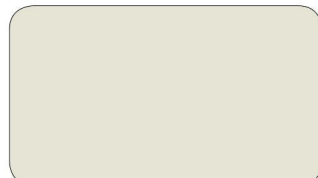
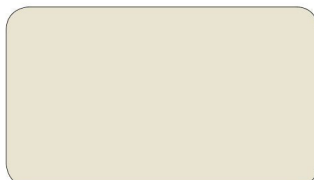
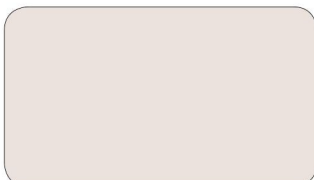
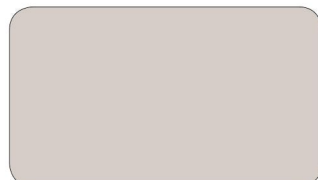
분체도료 Trouble Shooting Guide

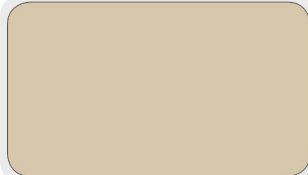
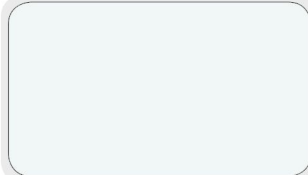
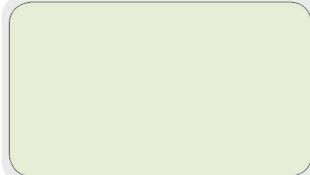
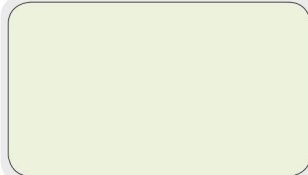
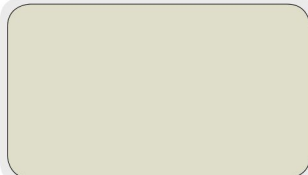
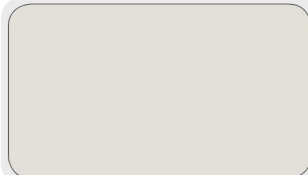
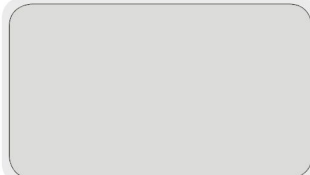
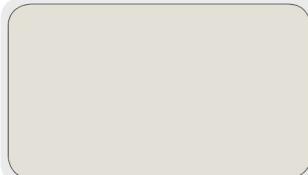
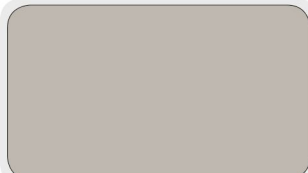
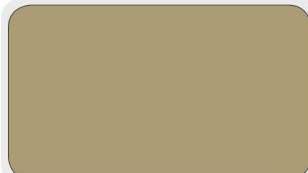
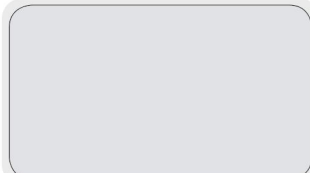
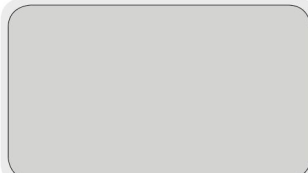
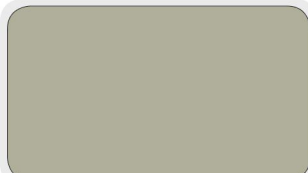
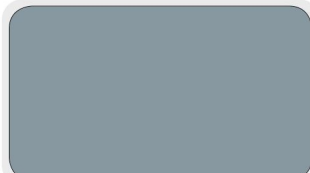
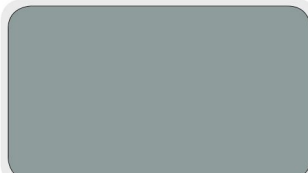
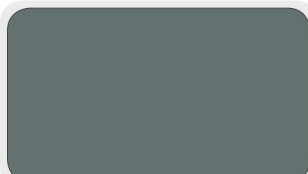
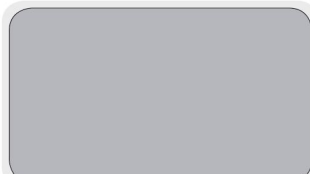
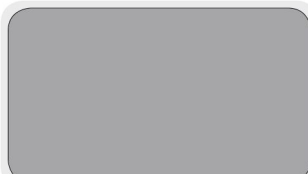
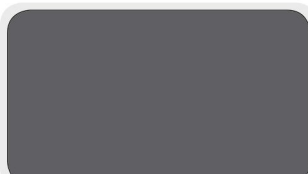
도장 후 도막 외관의 문제점 및 해결 방안

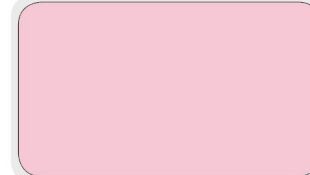
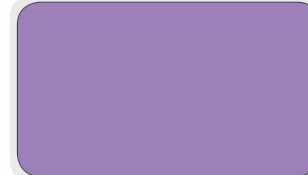
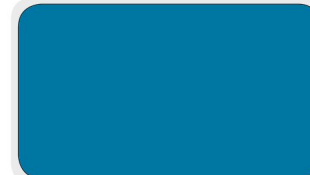
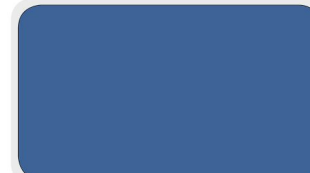
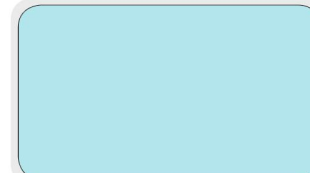
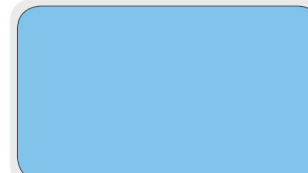
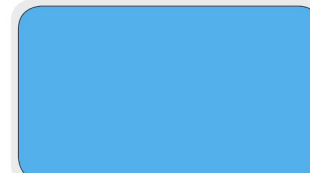
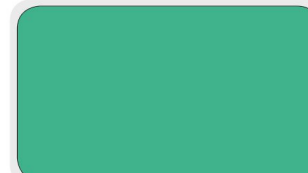
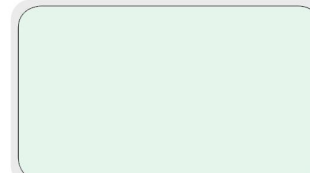
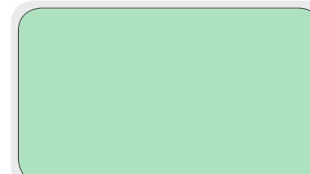
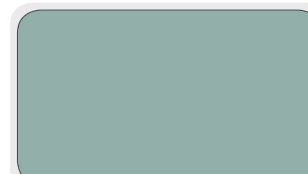
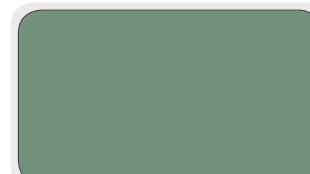
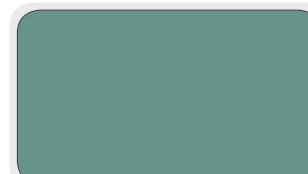
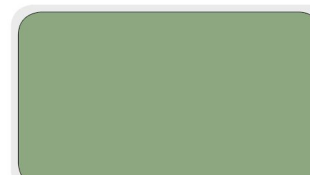
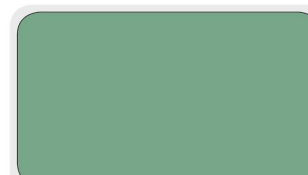
문제점	발생요인	응급 조치 방안
광택이 낮아진 경우	수지타입이 다른 도료가 섞인 경우	가능한 동일 타입을 사용하고, 특히 회수도로 관리에 유의한다.
	Over baking된 경우	건조로 온도를 확인하여, 온도와 경화시간을 적절히 조절한다.
저광택 도료의 광택이 높아진 경우	온도가 낮은 경우	온도나 컨베이어 속도를 적절히 조절한다.
	도료의 특성	수지타입별로 제품 설계시 결정되므로, 제품 선정이나, 발주시 유의한다.
흐름현상 (Sagging 현상)	온도가 너무 높은 경우	온도를 적절히 낮춘다.
	도막두께가 너무 두꺼운 경우	규정 도막두께로 관리한다.
	피도물 형상이 복잡한 경우	도장조건 (전압, 토출량)을 적절히 조절한다.
	도료의 특성	박막형 도료나 Levelling을 개선한 제품은 도막관리에 유의한다.
이색현상	건조로 내에서 장시간 방치할 경우	컨베이어 속도를 적절히 조절한다.
	건조로 온도가 너무 높을 경우	건조로 온도 확인 후 낮춘다.
	피도물 두께가 다른 것을 함께 경화시킨 경우	피도물을 두께별로 분리하여 작업한다.
	부품조립시 색상이 상이한 경우	가능한 동일업체에서 작업토록 한다.
	직화식 건조로의 열원이 LNG인 경우	Gas Checking에 의한 황변현상으로 내열성능에 대해 문의한다.
	도막이 얇거나, 과도막인 경우	추천 도막두께로 적절히 조절한다. ※120 μm 이상 도장시 정전 도장의 특성에 의해 정전 반발이 생길 수 있다.
외관불량 (오렌지 필 현상)	소재 특성	아연도 강판, 주물류 등은 소재 특성에 따라 외관 상태의 차이가 발생된다.
	도료 특성	도료 입자가 큰 경우, 저온 속경화 TYPE의 경우 외관이 저하될 수 있다. ※ 제품 특성으로, 도료 입체와 상의 후 제품 타입을 변경한다.
크레터링 현상	전처리 불량	유분 등의 제거 강화를 한다.
	압축공기내 오염	배관점검, 작업 전 압축공기를 충분히 빼주거나 도장기 전용 제습기를 사용한다.
	외부오염에 의한 현상	실리콘화합물의 오염 유무를 확인한다.
	타도로 오염 (타 제품타입 적용시)	도장 부스의 청소상태, 회수도로 상태 등을 점검하고 신 도료로 평가한다.
핀홀 현상	소지의 OUTGASSING	소재 예열 후 도장하는 것이 좋다. (주물소지, AL 소지)
	도막두께가 두꺼운 경우	추천 도막두께로 적절히 조절한다.
	전처리 조건	화성피막 상태가 불량할 경우에 발생될 수 있어 전처리 상태 확인한다.
	도료가 흡수된 경우	회수도로 보관과 압축공기의 제습장치 등을 점검한다.

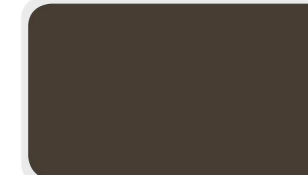
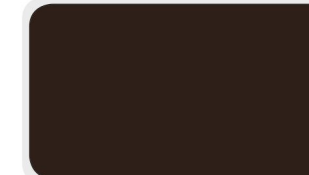
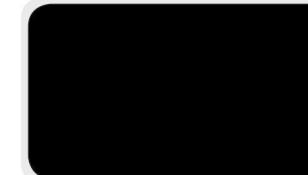
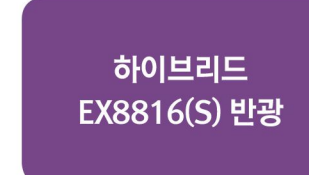
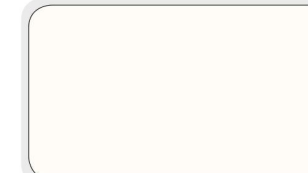
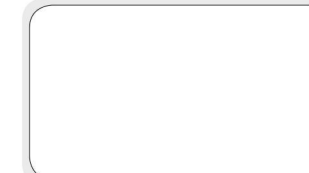
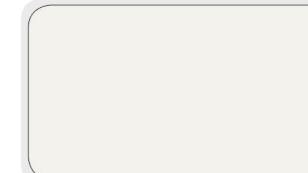
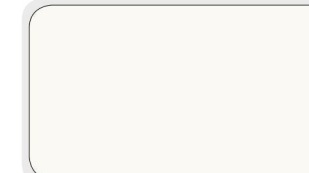
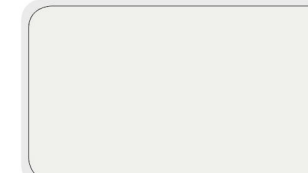
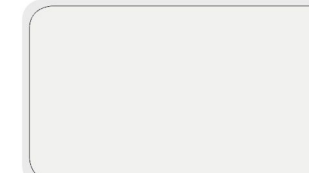
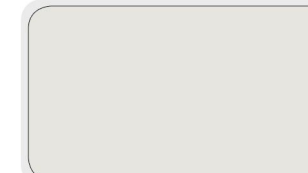
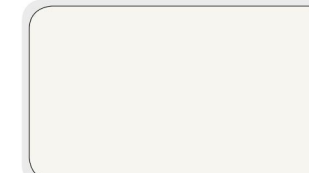
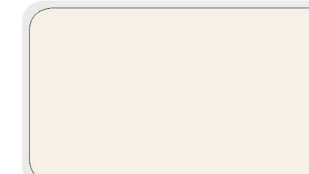
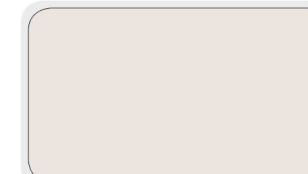
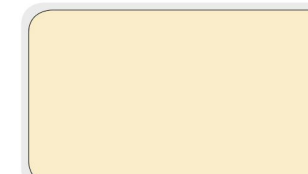
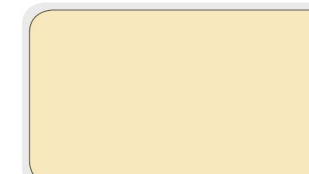
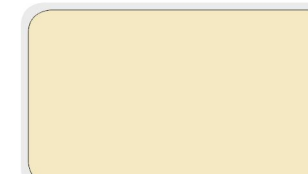
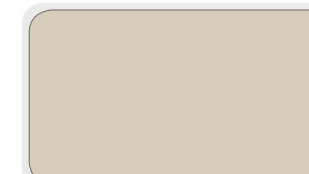
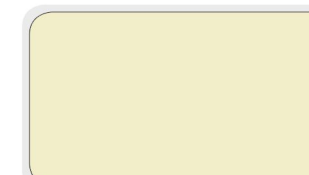
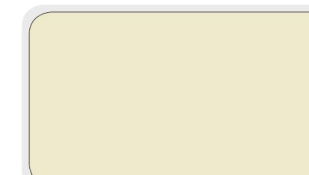
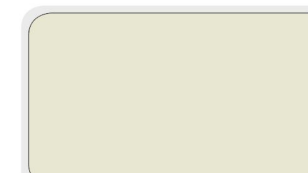
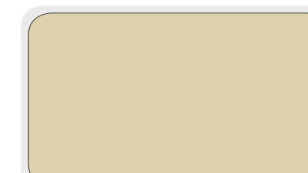
도료 공급장치 / 도장시 발생될 수 있는 문제점 및 해결 방안

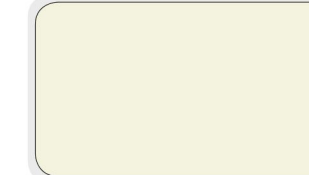
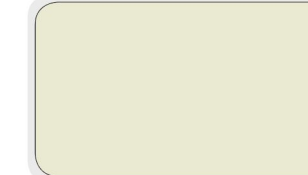
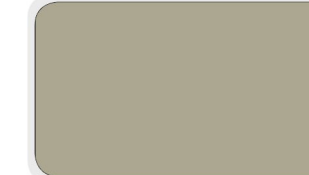
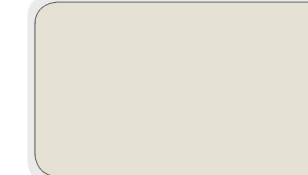
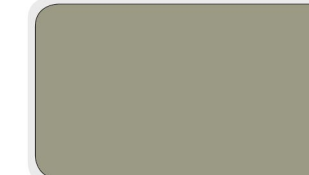
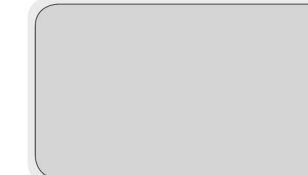
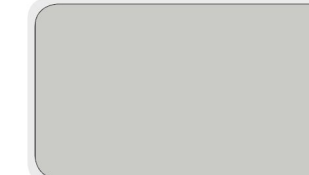
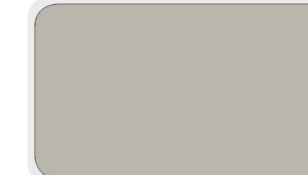
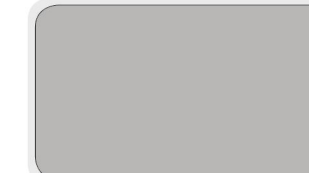
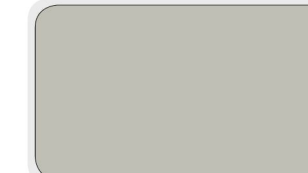
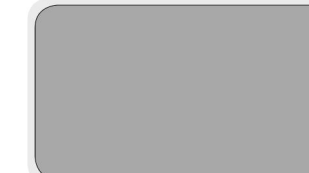
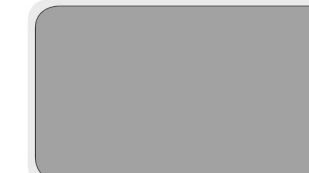
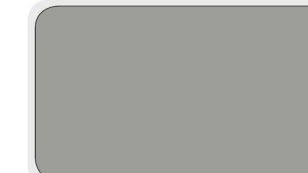
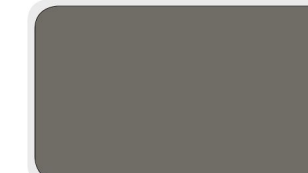
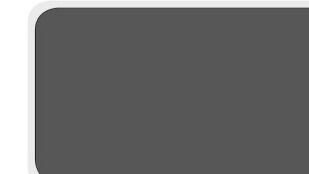
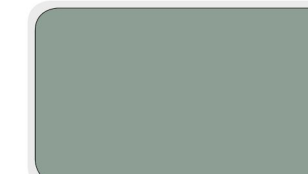
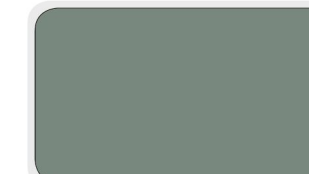
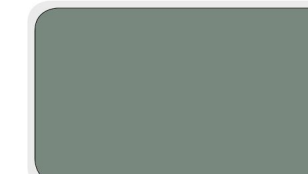
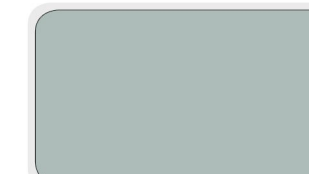
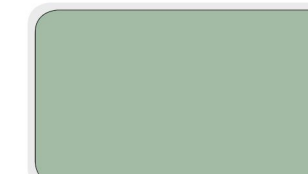
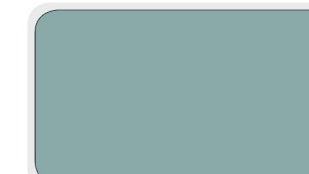
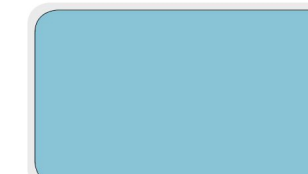
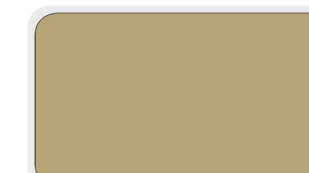
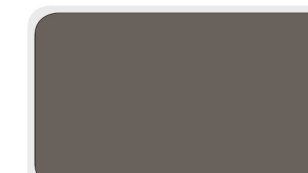
문제점	발생요인	응급 조치 방안
도막두께 불균일	피도물과 도장건과의 거리가 너무 가까울 경우	피도물과 도장건과의 거리를 15~25 cm 유지한다.
	도료의 토출이 일정하지 않는 경우	도장기의 AIR압 (토출량)을 재조정 한다.
	전압이 일정치 않을 경우	도장기를 재점검한다. (정전압 발생기 등)
	도장시 균일한 도장이 안된 경우	도장패턴을 상하, 좌우 일정간격으로 균일하게 도장한다.
도료의 토출 불균일	도료 이송 호스가 접혔거나 꼬인 경우	호스의 상태 확인한다.
	호스 길이가 너무 긴 경우	AIR 압력을 높여보고, 호스길이를 가능한 줄인다.
	회수도료를 단독 사용한 경우	신도료와 섞어 작업한다.
	유동이 잘 안되는 경우	1차로 유동상태를 확인하고, 유동조 AIR압력을 높인다.
	도료가 습기/열에 노출에 의한 요인으로 보관상태를 재점검한다.	도료가 습기/열에 노출에 의한 요인으로 보관상태를 재점검한다.
	도장기 결함	도장기의 인젝터나 도장건 내부를 점검한다.
코너부위 도장이 잘 안된다.	전압이 너무 높을 경우	도장기 전압을 낮춘다.
	도장기의 노즐이 너무 커서 도장패턴이 넓을 경우	적절한 크기의 노즐로 교체한다.
	도장기 토출 AIR압력이 너무 높을 경우	적당한 압력으로 조절한다.
	패러데이 케이지 효과 (복잡한 형태의 피도물)	도료와 도장설비를 TRIBO용으로 교체한다.
	도료 입자가 너무 FINE한 경우	도장기의 전압을 최대한 낮추고 AIR압력을 줄여 도장한다.
	접지가 안된 경우	접지상태를 확인한다.
도장이 잘 안되는 경우 (도료가 잘 안 붙는다.)	전압이 너무 낮은 경우	1차로 전압을 높여 보고, 도장기 파손, 마모 여부 확인한다.
	도료 토출 AIR압이 너무 높은 경우	도장기의 AIR 압력을 재조정한다.
	도료 이송 호스 재질의 문제	도장기 업체에서 추천하는 호스로 교체한다.
	회수 도료 사용량이 많을 경우	신 도료양을 늘리고, 동일 문제발생시 도료업체 확인한다.

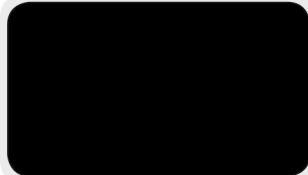
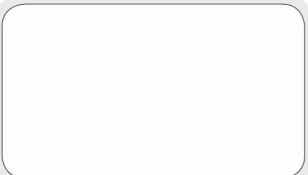
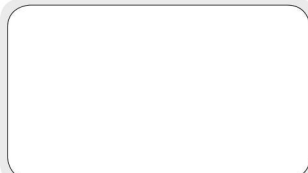
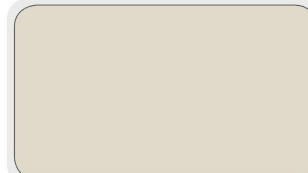
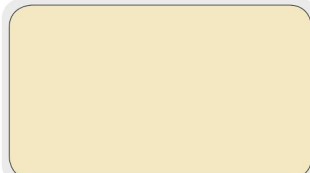
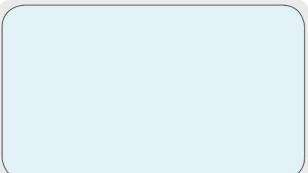
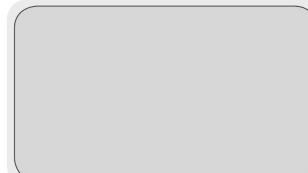
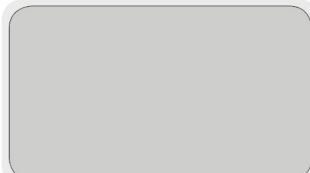
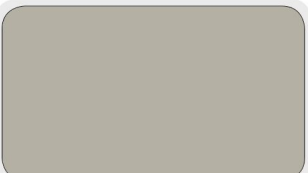
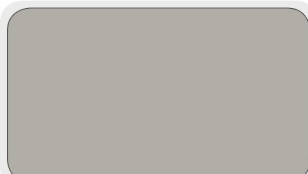
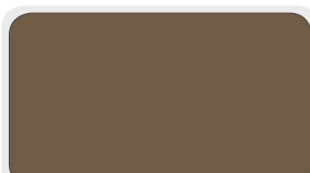
			
하이브리드 EX8816 유광			
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	17-004 EX8816-WH0009	17-005 EX8816-N/WHITE(WHO22D)	17-006 EX8816-WH0156
			
17-008 EX8816-N.9.3	17-009 EX8816-SUPERWHITE(UT)	17-010 EX8816-WHITE(AJ)	17-011 EX8816-BLUEWHITE(YS)
			
17-012 EX8816-BLUEWHITE	17-013 EX8816-PA-8935	17-014 EX8816-WH0001	17-015 EX8816-WH0064
			
17-016 EX8816-WH0151	17-017 EX8816-N.9.0(KIA)	17-018 EX8816-RAL9010	17-019 EX8816-IVORY
			
17-020 EX8816-C30891	17-021 EX8816-2.5Y9/1	17-022 EX8816-2.5Y9/2	17-023 EX8816-PALEBEIGE
			
17-024 EX8816-D32871	17-025 EX8816-D30871	17-026 EX8816-D31872	17-027 EX8816-RAL1013
			
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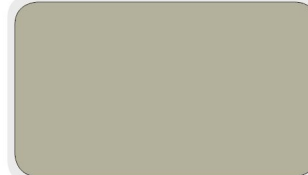
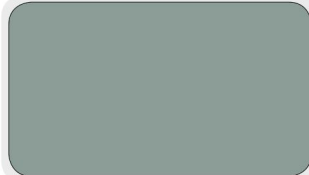
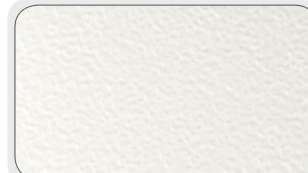
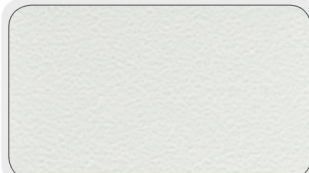
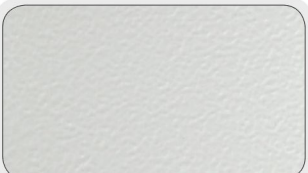
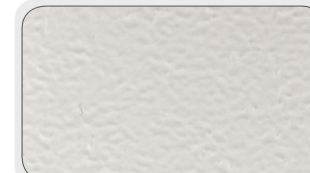
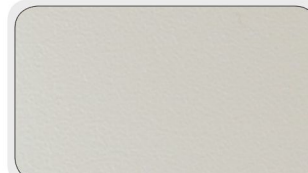
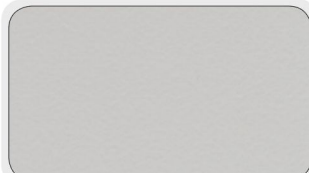
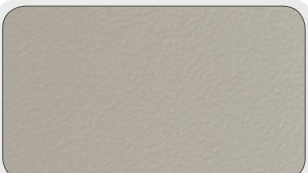
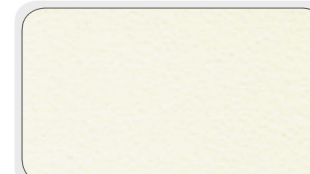
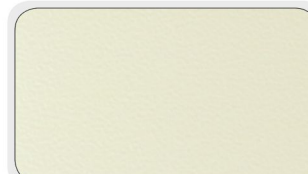
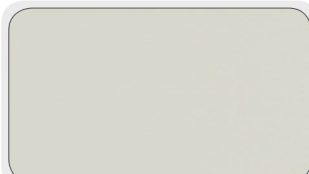
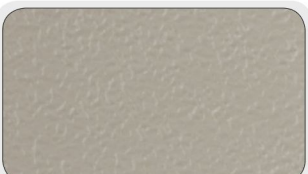
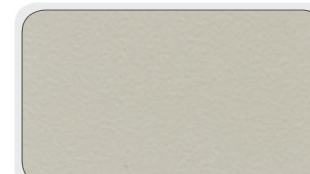
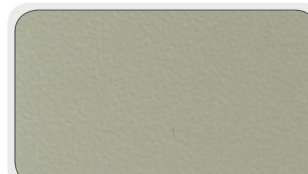
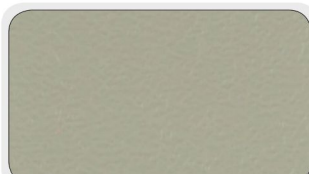
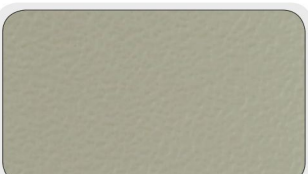
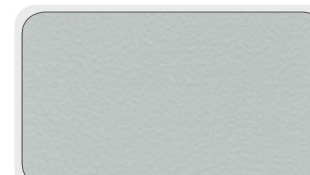
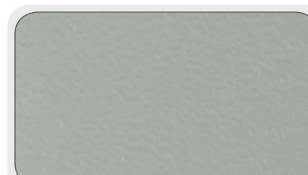
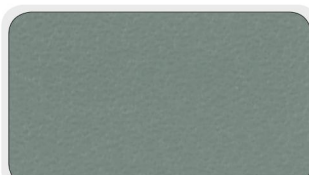
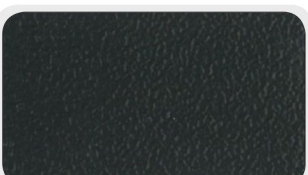
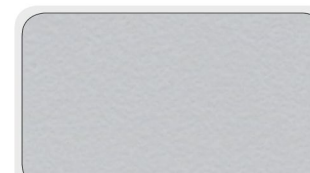
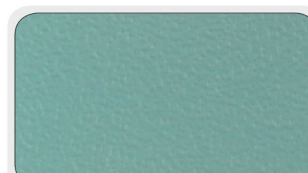
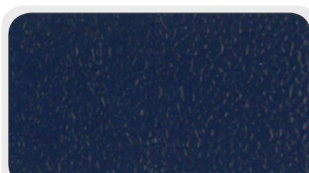
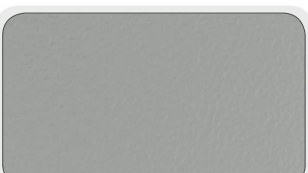
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 17-036 EX8816-GR/IVORY (SSP)	 17-037 EX8816-IV0014	 17-038 EX8816-NEWPIGEONGREY (LG)	 17-039 EX8816-DIC546 1/2
 17-040 EX8816-2.5Y7/0.5 (HDPM)	 17-041 EX8816-BE0007	 17-042 EX8816-RAL7035	 17-043 EX8816-GREY (HT) (SLIM)
 17-044 EX8816-5Y7/1 (HDH)	 17-045 EX8816-SANDGREY (BY)	 17-046 EX8816-7.5BG6/1.5	 17-047 EX8816-C50590
 17-048 EX8816-7.5BG4/1.5	 17-049 EX8816-N.8.0	 17-050 EX8816-N.7.0	 17-051 EX8816-C80680
 17-052 EX8816-N.4.0	 17-053 EX8816-YELLOW (WT)-H	 17-054 EX8816-PA-3758-H	 17-055 EX8816-YELLOW (K)-H
 17-056 EX8816-LT.YELLOW-H	 17-057 EX8816-OE0032-H	 17-058 EX8816-ORANGE (SAKIYA)-H	 17-059 EX8816-ORANGE (H)-H
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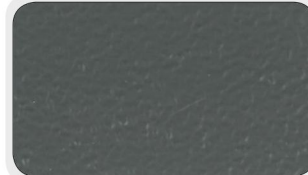
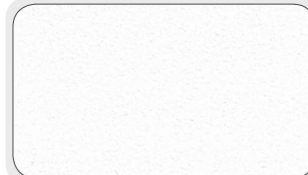
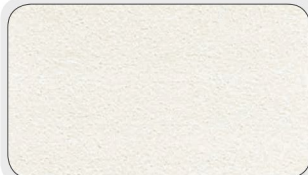
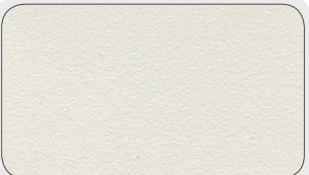
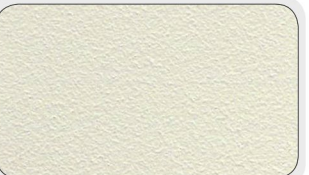
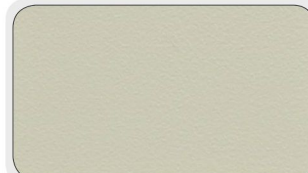
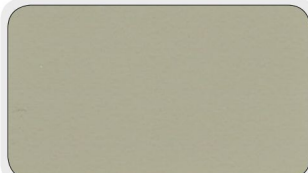
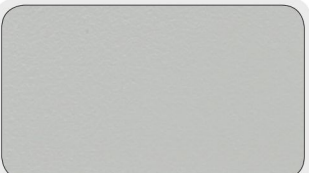
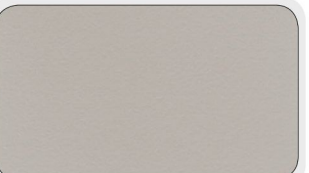
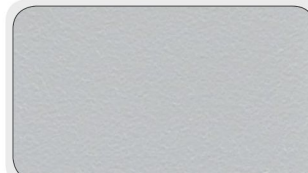
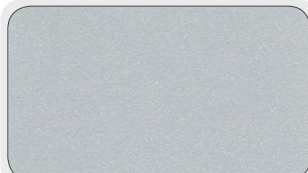
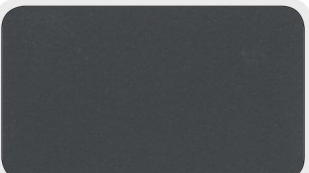
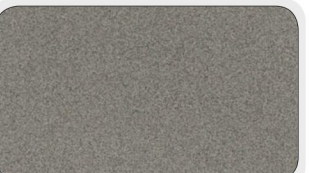
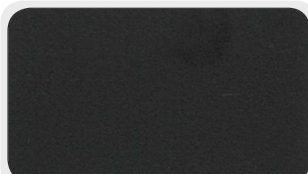
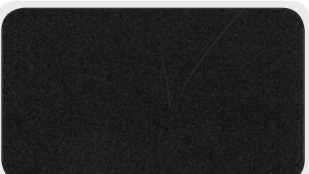
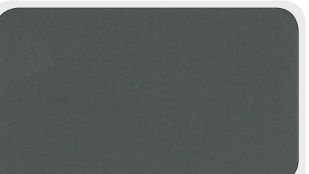
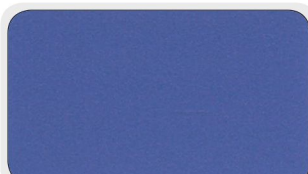
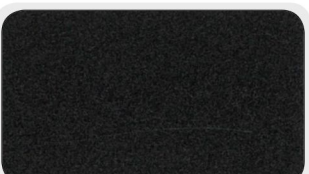
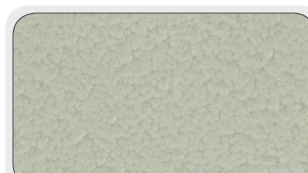
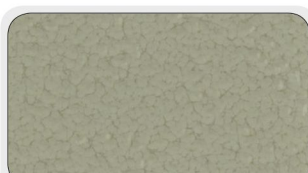
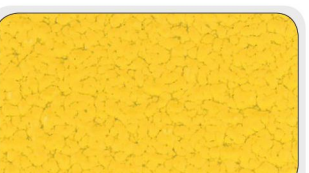
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 17-068 EX8816-BL0177	 17-069 EX8816-D54506	 17-070 EX8816-BLUE (K)	 17-071 EX8816-BL0169
 17-072 EX8816-NEWBLUE (NS)	 17-073 EX8816-4PB4/10 (HDPM)	 17-074 EX8816-BLUE (KW)	 17-075 EX8816-D52792
 17-076 EX8816-BL0001	 17-077 EX8816-L/BLUE (BU)	 17-078 EX8816-L/GREEN (DD)	 17-079 EX8816-G/IVORY (HI)
 17-080 EX8816-L/GREEN (DW)	 17-081 EX8816-K/GREEN (KRP)	 17-082 EX8816-SOFTGREEN (HA)	 17-083 EX8816-L/GREEN (013K)
 17-084 EX8816-GY0218	 17-085 EX8816-BG0005	 17-086 EX8816-GN0034	 17-087 EX8816-GN0004
 17-088 EX8816-E39684	 17-089 EX8816-RAL6021 (HMC)	 17-090 EX8816-2.5G6/3	 17-091 EX8816-YG0078-H
 17-092 EX8816-L/GREEN (WT)-H	 17-093 EX8816-D40575-H	 17-094 EX8816-PA-4535-H	 17-095 EX8816-GREEN (H-22)-H

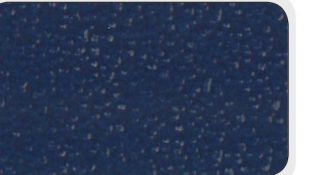
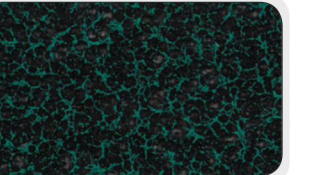
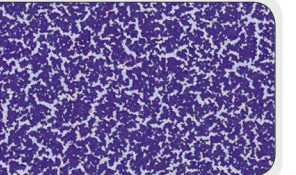
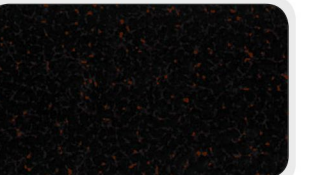
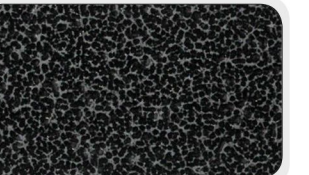
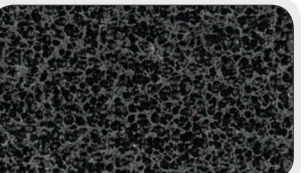
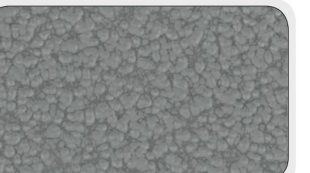
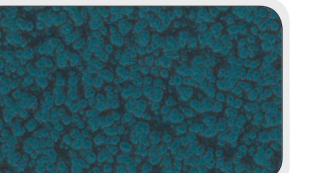
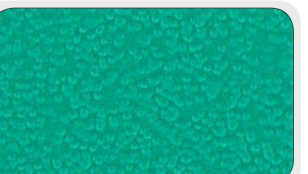
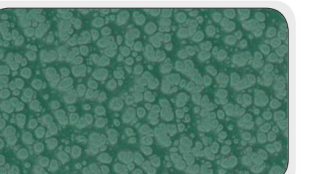
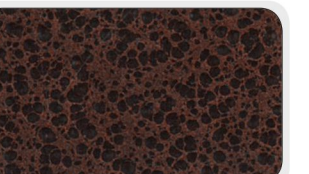
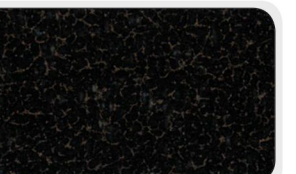
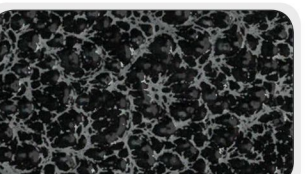
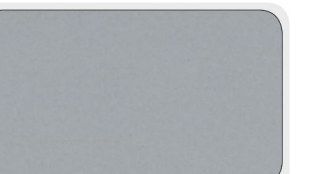
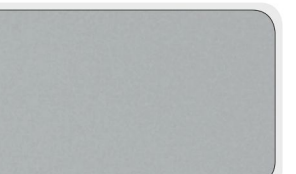
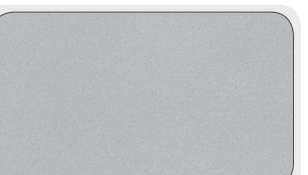
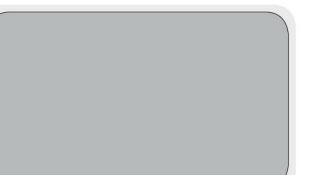
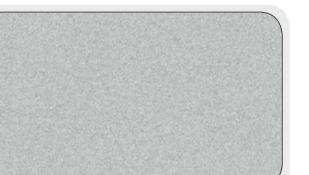
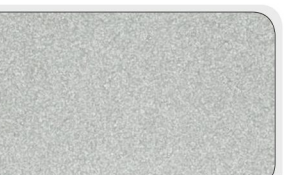
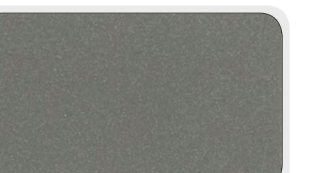
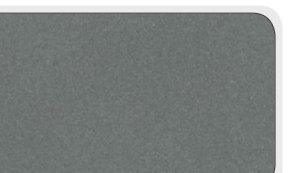
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 17-100 EX8816-BROWN	 17-101 EX8816-BE606C	 17-102 EX8816-BLACK (N)	 하이드리드 EX8816(S) 반광
 17-103 EX8816(S)-N.9.5	 17-104 EX8816(S)-WH0009	 17-105 EX8816(S)-L/IVORY (DP)	 17-106 EX8816(S)-D80940
 17-107 EX8816(S)-N.9.0	 17-108 EX8816(S)-WHITE (EK)	 17-109 EX8816(S)-IV0374	 17-110 EX8816(S)-RAL9010
 17-111 EX8816(S)-S/WHITE (DS)	 17-112 EX8816(S)-2.5Y9/1	 17-113 EX8816(S)-D80830	 17-114 EX8816(S)-C30891
 17-115 EX8816(S)-E29871	 17-116 EX8816(S)-C30871	 17-117 EX8816(S)-2.5Y9/2	 17-118 EX8816(S)-D34770
 17-119 EX8816(S)-7.5Y9/1	 17-120 EX8816(S)-32871	 17-121 EX8816(S)-PALEBEIGE	 17-122 EX8816(S)-PA-3873 (SW)
 17-123 EX8816(S)-RAL1013	 17-124 EX8816(S)-DIC5461/2	 17-125 EX8816(S)-2.5Y8/2	 17-126 EX8816(S)-HE019

 17-127 EX8816(S)-2.5GY9/1	 17-128 EX8816(S)-HE001	 17-129 EX8816(S)-RAL7032	 17-130 EX8816(S)-RAL9002
 17-131 EX8816(S)-5Y7/1	 17-132 EX8816(S)-N.8.0	 17-133 EX8816(S)-RAL7035	 17-134 EX8816(S)-FOLKSTONE
 17-135 EX8816(S)-N.7.5	 17-136 EX8816(S)-RAL7038	 17-137 EX8816(S)-C80680	 17-138 EX8816(S)-N.7.0
 17-139 EX8816(S)-N.6.5	 17-140 EX8816(S)-RAL7042	 17-141 EX8816(S)-D80580	 17-142 EX8816(S)-GY0259
 17-143 EX8816(S)-N.4.0	 17-144 EX8816(S)-7.5BG7/2 (K)	 17-145 EX8816(S)-7.5BG6/1.5	 17-146 EX8816(S)-7.5BG6/1.5 (K)
 17-147 EX8816(S)-7.5BG7/2 (KT)	 17-148 EX8816(S)-2.5G7/2	 17-149 EX8816(S)-7.5BG7/2 (SD)	 17-150 EX8816(S)-D54694
 17-151 EX8816(S)-RAL6019	 17-152 EX8816(S)-D39812	 17-153 EX8816(S)-10GY8/4	 17-154 EX8816(S)-2.5G8/3
 17-155 EX8816(S)-RAL6011	 17-156 EX8816(S)-RAL6018-H	 17-157 EX8816(S)-2.1Y5.6/3.6	 17-158 EX8816(S)-BR0108

 17-159 EX8816(S)-BLACK(SY)	하이브리드 EX8816(F) 무광	 17-160 EX8816(F)-D80940	 17-161 EX8816(F)-IVORY(YC110)
 17-162 EX8816(F)-1801	 17-163 EX8816(F)-BK0005	외부용	 17-164 PX4324-RAL9010
 17-165 PX4600-N.9.3	 17-166 PX4600-ALMOND(AM-89)	 17-167 PX4600-2.5Y9/2	 17-168 PX4600-BLUEWHITE
 17-169 PX4600-WH0327(SPB8/1)	 17-170 PX8576-GY0616	 17-171 PX4324-RAL7035	 17-172 PX4324-RAL7032
 17-173 PX4324-5Y7/1	 17-174 PX8576-N.7.0	 17-175 PX4600-LPGGREY	 17-176 PX8576-RAL1003-H
 17-177 PX4601-FY4(HCE)	 17-178 PX4324-DIC164(HH)-H	 17-179 PX4600-OE0048-H	 17-180 PX8576-AZALEARED(KJH)-L
 17-181 PX4600-RD0004(2003)	 17-182 PX8576-BIORED(A)	 17-183 PX8576-MATCHBLUE(HT)	 17-184 PX8576-COMETBLUE
 17-185 PX4600-GN0404-H	 17-186 PX4600-L/GREEN(WT)-H	 17-187 PX8576-BROWN(HI)	 17-188 PX4324-FG8(HCE)

 17-189 PX4324-BLACK	 17-190 PX8576(S)-5Y7/1	 17-191 PX8576(S)-7.5BG6/1.5	 17-192 PX8576(S)-SC2920(돌담회색)
 17-193 PX8576(S)-SC2940(기와진회색)	 17-194 PX8576(S)-BLACK(AB-1)	 17-195 PX8576(F)-GY0909(노장진회색)	 17-196 PX8576(F)-BR0242(교양진교동)
특수무늬 스트럭처	 17-197 EX8816(S)-SR-WH062	 17-198 EX8816(S)-SR-WH020	 17-199 EX8816(S)-SR-GY300
 17-200 EX8816(S)-SR-IV072	 17-201 EX8816(S)-SR-GY190(2002)	 17-202 EX8816(S)-SR-N.8.0	 17-203 EX8816(S)-SR-BE138
 17-204 EX8816(S)-SR-IV001	 17-205 EX8816(S)-SR-WH025	 17-206 EX8816(S)-SR-IV003	 17-207 EX8816-SR-BE173
 17-208 EX8816(S)-SR-DIC548	 17-209 EX8816(S)-SR-RAL7032	 17-210 EX8816(S)-SR-BE006(2002)	 17-211 EX8816(S)-SR-5Y7/1(2003)
 17-212 EX8816(S)-SR-RAL7035	 17-213 EX8816(S)-SR-GREY(HDMT)	 17-214 EX8816(S)-SR-7.5BG6/1.5(K)	 17-215 EX8816(S)-SR-GN016(RAL7026)
 17-216 EX8816-SR-GY231	 17-217 EX8816(S)-SR-7.5BG7/2(SH)-L	 17-218 EX8816(S)-SR-5.4PB2.8/3.0(HD)	 17-219 EX8816(S)-SR-GY163

 17-220 EX8816(S)-SR-N.4.0(HDMT)	 17-221 EX8816(S)-SR-BK024	 17-222 EX8816(S)-SR-BK016	특수무늬 텍스처
 17-223 EX4505(S)-TX-WH069	 17-224 EX4505(S)-TX-WH001	 17-225 EX4505(S)-TX-WHITE(TW-1)	 17-226 EX4505(S)-TX-WH004
 17-227 EX4505(S)-TX-BE033	 17-228 EX4505(S)-TX-BE106	 17-229 EX4505(S)-TX-GY303	 17-230 EX4505(S)-MTX-GY193
 17-231 EX4505(S)-TX-GY221(LGREY/MSO)	 17-232 EX4505(S)-MTX-MC019	 17-233 EX4505(S)-TX-GY227(DGREY/MSO)	 17-234 EX4505(S)-MP-GY133
 17-235 EX4505(S)-MP-BK029	 17-236 EX4505(S)-TX-BLACK(90)	 17-237 EX4505(S)-TX-BLACK(TW-1)	 17-238 PX4332(S)-TX-GY0759
 17-239 PX4332(S)-MP-BK067	 17-240 PX4332(S)-TX-BL010	 17-241 PX4332(S)-TX-BK012	특수무늬 함마톤
 17-242 EX8816(H)-HF-BE0380	 17-243 EX8816(H)-HF-BE066	 17-244 EX8816(H)-HF-BE024	 17-245 EX8816(H)-HF-RAL7035
 17-246 EX8816(H)-HF-RAL7032(HD)	 17-247 EX8816(H)-HF-5Y7/1	 17-248 EX8816(H)-EY019K	 17-249 EX8816(H)-HF-YW002-H

 17-250 EX8816(H)-HF-7.5BG7/2(SD)	 17-251 EX8816(H)-HF-5.4PB2.8/3.0	 17-252 EX8816(H)-HF-GN055	 17-253 EX4503-CR-VT001
 17-254 EX8816(H)-L/BLACKCOPPER	 17-255 EX8816(H)-HF-CP008	 17-256 EX8816(H)-HF-MC010(JY)	 17-257 EX8816(H)-HI-SILVER
 17-258 EX8816(H)-NEWSILVER	 17-259 PX8583(H)-MT-WH013	 17-260 PX8583(H)-HF-IVORY(은색)	 17-261 PX8583(H)-HF-BE024
 17-262 PX8583(H)-HF-HN-08-D	 17-263 PX8583(H)-HF-GY001	 17-264 PX8583(H)-HF-BL060	 17-265 PX8583(H)-HF-GN058-H
 17-266 PX8583(H)-HF-GN011	 17-267 PX8583(H)-HF-GN097	 17-268 PX8583(H)-HF-CP005	 17-269 EX8816(H)-L/BLACKCOPPER
 17-270 PX8583(H)-SILVER	메탈릭	 17-271 EX8816(M)-9180(JA)	 17-272 EX8816(M)-9180(2001)
 17-273 EX8816(M)-MC015	 17-274 EX6100-TS/SILVER	 17-275 EX6100-SUPERSILVER	 17-276 EX6100-MC501
 17-277 EX8801(M)-SPARKLESILVER	 17-278 EX6100-CHROMESILVER	 17-279 EX8816(M)-GY0325	 17-280 EX8816(M)-D/GREY(HA)



17-281 EX8801(M)-GY0617	17-282 EX8801(M)-HS-BK017	17-283 EX6100-GD605 (HE)	17-284 EX6100-HE016
17-285 EX8816(M)-GOLD (2860)	17-286 EX6100-GD603	17-287 EX8816(M)-SPECIALGOLD	17-288 EX8816(M)-GD0005-H
17-289 EX8816(M)-GD0011-H	17-290 EX6100-GD602	17-291 PX8576(M)-SM-SUPERSILVER	17-292 PX8576(M)-NC-SUPERSILVER
17-293 EX4420-GY135D(DW)_저독성	17-294 EX4420-BE0080_저독성	17-295 EX4420-S/SEPIA(DW)_저독성	17-296 EX4420-GN605D_저독성
17-297 EX4511(S)-WH0009_대전방지	17-298 EX4511(S)-2.5Y9/2_대전방지	17-299 EX4511(S)-E34890_대전방지	17-300 EX4511(F)-BK0075_대전방지
17-301 PX4343-IVORY(KJ2)_고내후성	17-302 PX4343-AZALEARED(KJ1)_고내후성	17-303 PX4343(F)-GN0031_고내후성	17-304 PX4345(F)-N.1.5_고내후성
17-305 PX4327-AF-WH0287_기포방지	17-306 EX8816-ZR-HDGGREY_정크리치	17-307 PX8576-CLEAR(TOP)_투명	17-308 PX8576-CLEAR(NY)_투명
17-309 PX8576-CLEAR(상상전자_고선휘명 크리어)	17-310 EX8816(S)-STD-SY7/1_아크릴 투명	17-311 PX4324-EARTHBROWN(SC)_셀프크리닝	

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하이드리드 EX8816 유팅			하이드리드 EX8816(F) 무광			하이드리드 EX8816(S) 유팅		
17-001	EX8816-N.9.5	N.9.5	17-107	EX8816(S)-N.9.0	N.9.0	17-211	EX8816(S)-SR-5Y7/1(2003)	7.6Y8/1.1
17-002	EX8816-WH0011	1.6GY9.5/0.4	17-108	EX8816(S)-WHITE(EK)	6.6Y8.9/0.4	17-212	EX8816(S)-SR-5Y7/1	5G7/8.0.5
17-003	EX8816-SNOWWHITE(GS)	4.4GY9.2/0.1	17-109	EX8816(S)-W0374	0.5GY8.5/0.4	17-213	EX8816(S)-SR-GREY(HDMT)	8.7GY6.5/0.4
17-004	EX8816-WH0009	4.6GY9.2/0.2	17-110	EX8816(S)-RAL9010	N.9.3	17-214	EX8816(S)-SR-5BG6/1.5(X)	9.4GY8.5/0.8
17-005	EX8816-N/WHITE(WH022D)	3.2GY9.3/0.2	17-111	EX8816(S)-S/WHITE(DS)	8.3Y9.2/0.5	17-215	EX8816(S)-SR-GN01(GREY2026)	1.6B3.1/1.3
17-006	EX8816-WH0156	0.7GY9.1/0.2	17-112	EX8816(S)-2.5Y9/1	2.5Y9/1	17-216	EX8816(S)-SR-CY21	5.3Y8.1/0.9
17-007	EX8816-WH0245	2.9GY9.0/2	17-113	EX8816(S)-D80830	1.8PY8.4/0.8	17-217	EX8816(S)-SR-7.5BG7(2.5H)	8.7BG6.6/2.6
17-008	EX8816-N.9.3	4.4Y9.0/3	17-114	EX8816(S)-C30891	1.3Y8.9/1.4	17-218	EX8816(S)-SR-5.4PY23(3.0H/D)	5.8PY3.3/3.3
17-009	EX8816-SUPERWHITE(UT)	1.5PY9.2/0.8	17-115	EX8816(S)-E29871	1.0Y8.9/2.4	17-219	EX8816(S)-SR-6Y16	3.7G5.2/0.2
17-010	EX8816-WHITE(AJ)	7.2PY9.0/1.9	17-116	EX8816(S)-C30871	0.3Y8.7/2.7	17-220	EX8816(S)-SR-N.4.0(HDMT)	9.6B4.2/0.3
17-011	EX8816-BLUEWHITE(Y5)	5.6PY8.7/2	17-117	EX8816(S)-2.5Y9/2	2.5Y9/2	17-221	EX8816(S)-SR-BK024	8.1BG3.7/0.2
17-012	EX8816-BLUEWHITE	1.7PY9.1/4	17-118	EX8816(S)-D34770	2.8Y7.7/0.8	17-222	EX8816(S)-SR-BK016	4.3B2.7/0.3
17-013	EX8816-PA-8935	2.3PY9.1/1	17-119	EX8816(S)-7.5Y9/1	7.5Y9/1	특수무늬 텍스처		
17-014	EX8816-WH0001	7.4PY8.5/2.6	17-120	EX8816(S)-32871	6.9Y9.1/6	17-223	EX4505(S)-TX-WH069	3.5G8.7/0.2
17-015	EX8816-WH0064	2.9GY9.0/2	17-121	EX8816(S)-PALEBEIGE	6.5Y9.1/0.8	17-224	EX4505(S)-TX-WH091	6.4Y8.6/0.3
17-016	EX8816-WH0151	5Y8.7/0.5	17-122	EX8816(S)-PA-3873(SW)	5.5Y8.7/1.7	17-225	EX4505(S)-TX-WHITE(TW-1)	9.6PY8.1/1.1
17-017	EX8816-N.9.0(KA)	4.1Y8.8/0.3	17-123	EX8816(S)-RAL1013	5.6Y8.7/1.1	17-226	EX4505(S)-TX-WH094	5.4PY8.1/0.9
17-018	EX8816-RAL9010	N.9.3	17-124	EX8816(S)-DICS461/2	0.6GY8.5/0.8	17-227	EX4505(S)-TX-BE033	6.9Y7.3/1.1
17-019	EX8816-IVORY	5.2Y9/1	17-125	EX8816(S)-2.5Y8/2	2.5Y8/2	17-228	EX4505(S)-TX-BE106	7.2GY6.1/1.1
17-020	EX8816-C30891	1.3Y8.9/1.4	17-126	EX8816(S)-HE019	4.9Y7.8/1	17-229	EX4505(S)-TX-GY303	8.0BG6.7/0.2
17-021	EX8816-2.5Y9/1	2.5Y9/1	17-127	EX8816(S)-2.5GY9/1	2.5GY9/1	17-230	EX4505(S)-MTX-GY193	0.6Y6.8/0.4
17-022	EX8816-2.5Y9/2	2.5Y9/2	17-128	EX8816(S)-HE001	1.5GY8.7/0.9	17-231	EX4505(S)-TX-GY211(LGREY/MSO)	5.8B87.1/0.8
17-023	EX8816-PALEBEIGE	6.5Y9.1/0.8	17-129	EX8816(S)-RAL7032	8.9Y7.2/1.1	17-232	EX4505(S)-MTX-MC019	2.7PY8.6/1.3
17-024	EX8816-D32871	6.2Y9.0/2	17-130	EX8816(S)-RAL9002	6.6Y8.5/1	17-233	EX4505(S)-TX-GY272(LGREY/MSO)	4.5PY8.1/0.7
17-025	EX8816-D30871	2.4Y8.8/2.7	17-131	EX8816(S)-5Y7/1	5Y7/1	17-234	EX4505(S)-MP-GY133	0.6Y4.9/0.3
17-026	EX8816-D31872	4Y8.8/3.3	17-132	EX8816(S)-N.8.0	N.8.0	17-235	EX4505(S)-MP-BK029	0.5B4.9/0.2
17-027	EX8816-RAL1013	5.6Y8.7/1.1	17-133	EX8816(S)-RAL7035	2.3GY7.9/0.3	17-236	EX4505(S)-TX-BLACK(90)	4.1PY8.2/0.6
17-028	EX8816-SY8/1	5Y8.5/1	17-134	EX8816(S)-FOLKSTONE	5.2Y7.4/0.3	17-237	EX4505(S)-TX-BLACK(TW-1)	4.3PY8.2/0.5
17-029	EX8816-FAMILYALMOND(DY)	3Y8.4/1.4	17-135	EX8816(S)-N.7.5	N.7.5	17-238	PK4332(S)-TX-GY0759	3.3B3.9/0.2
17-030	EX8816-D80830	1.8PY8.4/0.8	17-136	EX8816(S)-RAL7038	5.8GY7.1/0.5	17-239	PK4332(S)-MP-BK067	4.6PY8.2/0.2
17-031	EX8816-D80770	6.5Y7.9/0.7	17-137	EX8816(S)-C80680	7.2BY6.0/3	17-240	PK4332(S)-TX-BL010	6.4PY8.1/7.8
17-032	EX8816-BEIGE(KRP)	1.3Y7.9/2.2	17-138	EX8816(S)-N.7.0	N.7.0	17-241	PK4332(S)-TX-BK012	5.7PY8.2/0.5
17-033	EX8816-D48880	7.6GY8.9/0.4	17-139	EX8816(S)-N.6.5	N.6.5	특수무늬 질감		
17-034	EX8816-MAY/IVORY	1.3GY8.8/1.4	17-140	EX8816(S)-RAL7042	4.3BY6.0/2	17-242	EX8816(H)-HF-BE0380	0.9GY8.4/0.7
17-035	EX8816-D34880	1.5GY8.9/1.2	17-141	EX8816(S)-D80580	4.1PY8.9/0.3	17-243	EX8816(H)-HF-BE066	0.9GY8.2/0.5
17-036	EX8816-GR/VORY(CSSP)	9Y8.2/1.5	17-142	EX8816(S)-GY0259	1.5Y9.0/0.2	17-244	EX8816(H)-HF-BE024	0.9GY8.3/0.6
17-037	EX8816-IV0014	1.4Y8.4/0.6	17-143	EX8816(S)-N.4.0	N.4.0	17-245	EX8816(H)-HF-RAL7035	8.5GY7.3/0.2
17-038	EX8816-NEWPIGEONGREY(LG)	2.7GY9.3/0.8	17-144	EX8816(S)-7.5BG7/2(K)	7.9BG6.8/2.5	17-246	EX8816(H)-HF-RAL7032.2(H)	9.2YU7.3/1.2
17-039	EX8816-DICS46 1/2	0.6GY8.5/0.3	17-145	EX8816(S)-7.5BG6/1.5	7.5BG6/1.5	17-247	EX8816(H)-HF-5Y7/1	7.2GY6.4/1.1
17-040	EX8816-2.5Y7/0.5(HDPM)	4.3Y7.1/0.8	17-146	EX8816(S)-7.5BG6/1.5(K)	4.2BG5.9/0.9	17-248	EX8816(H)-EY019K	N.6.0
17-041	EX8816-BE0007	2.3GY7.1/8	17-147	EX8816(S)-7.5BG7/2(KT)	4.3BG7.1/1.6	17-249	EX8816(H)-HF-WY002-H	3.5Y7.3/0.1
17-042	EX8816-RAL7035	2.3GY7.0/3	17-148	EX8816(S)-2.5GY7/2	2.5GY7/2	17-250	EX8816(H)-HF-7.5BG7/2(SD)	7.1BG6.5/2.2
17-043	EX8816-GREY(YT)(SLIM)	7.2GY7.7/0.3	17-149	EX8816(S)-7.5BG7/2(SD)	1.4BG6.7/1.5	17-251	EX8816(H)-HF-4PY82.3/3.0	6PY8.3/3.8
17-044	EX8816-SY7/1(HD(H))	10Y6.4/0.9	17-150	EX8816(S)-D54694	7.7BY6.9/5.1	17-252	EX8816(H)-HF-GN055	5.9BG3.2/1.9
17-045	EX8816-SANDGREY(BY)	1.9GY6.9/0.7	17-151	EX8816(S)-RAL6019	9.6GY8/2.9	17-253	EX4503-CRYT001	1.6Y8.8/4.8
17-046	EX8816-7.5BG6/1.5	7.5BG6/0.1.5	17-152	EX8816(S)-D39812	8.6GY8/2.3/7	17-254	EX8816(H)-L/BLACKCOPPER	4Y8A/0.7
17-047	EX8816-C50590	0.2BY8.9/1.1	17-153	EX8816(S)-10GY8/4	10GY8/4	17-255	EX8816(H)-HF-CP008	2.8B2.3/1.5
17-048	EX8816-7.5BG4/1.5	7.5BG4/0.1.5	17-154	EX8816(S)-2.5GY8/3	2.5GY8/3	17-256	EX8816(H)-HF-MC010(YJ)	6.3GY4.6/1.1
17-049	EX8816-N.8.0	N.8.0	17-155	EX8816(S)-RAL6011	7.9GY5.2/3.2	17-257	EX8816(H)-HF-BE016	N.5.3
17-050	EX8816-N.7.0	N.7.0	17-156	EX8816(S)-RAL6011-H	9.5GY5.7/8.6	17-258	EX8816(H)-NEWSLIVER	N.4.6
17-051	EX8816-C80680	3.8GY6.0/2	17-157	EX8816(S)-2.1Y5.6/3.6	2.1Y5.6/3.6	17-259	PX8583(H)-MT-WH013	9GY4.0/3
17-052	EX8816-N.4.0	N.4.0	17-158	EX8816(S)-BR0108	10Y9.5/0.8	17-260	PX8583(H)-HF-VORY(연상)	2.2Y8.4/0.6
17-053	EX8816-YELLOW(WT)-H	3.9Y8.6/9.9	17-159	EX8816(S)-BLACK(SY)	1.7Y2.5	17-261	PX8583(H)-HF-BE024	0.9GY8.3/0.6
17-054	EX8816-PA-3758-H	2.5Y8/16	외부용			17-262	PX8583(H)-HF-HH-08-D	3.7GY6.3/1.1
17-055	EX8816-YELLOW(WK)-H	0.3Y7.4/1.2.1	17-160	EX8816(F)-D80940	3.3Y9.3/0.3	17-263	PX8583(H)-HF-GY001	N.5.5
17-056	EX8816-YELLOW(WK)-H	0.9Y7.2/11.7	17-161	EX8816(F)-IVORY(CY110)	7.1Y8.2/1.6	17-264	PX8583(H)-HF-HH-094	8.6B4.3/4.2
17-057	EX8816-OE0032-H	5.2Y9.5/9.8.5	17-162	EX8816(F)-1801	8.3Y8.3/0.7	17-265	PX8583(H)-HF-GN055	7.5GY4.7/5.5
17-058	EX8816-ORANGE(SAKIYA)-H	2.3Y9.6/1.1/1.9	17-163	EX8816(F)-BK0005	3.3PY8.2/0.1	17-266	PX8583(H)-HF-GN011	3.7BG6.3/7.7
17-059	EX8816-ORANGE(H)-H	0.2Y9.5/1.10.9	외부용			17-267	PX8583(H)-HF-GN097	4.9G5.2/2.4
17-060	EX8816-S/ORANGE-H	9.6Y8.5/7.13.7	17-164	PX4324-RAL9010	N.9.3	17-268	PX8583(H)-HF-CP005	3YR4.3/2.8
17-061	EX8816-RD0002-H	7.3R4.1/1.1.8	17-165	PX4600-N.9.3	4.4Y9.0/0.3	17-269	PX8583(H)-L/BLACKCOPPER	
17-062	EX8816-RD0001	6.7R4.1/1.2.0	17-166	PX4600-ALUMOND(AM-89)	3.1Y8.3/1.2	17-270	PX8583(H)-SILVER	
17-063	EX8816-PA-1351	6.2R4.0/1.0.4	17-167	PX4600-2.5Y9/2	2.5Y9/2	메탈릭		
17-064	EX8816-PANTONEZ39C(EK)	2.6PY9.3/16.9	17-168	PX4600-BLUEWHITE	1.7PY9.1/4	17-271	EX8816(M)-9180(KA)	
17-065	EX8816-P/PINK	5.7RP7.7/5.9	17-169	PX4600-WH0327(SPB8/1)	5.8PY8/2.1	17-272	EX8816(M)-9180(2001)	
17-066	EX8816-P/VIOLET	3.6PY8.6/8.2	17-170	PX4600-GY0616	4.7H/8.0.2	17-273	EX8816(M)-MC015	
17-067	EX8700-D/PINK(YJ)	1.5R3.5/4.7	17-171	PX4324-RAL7035	2.3GY7.9/0.3	17-274	EX6100-S-SILVER	
17-068	EX8816-BL0177	5.5PY8.1/9.6	17-172	PX4324-RAL7032	8.9Y7.2/1.1	17-275	EX6100-S-SUPERSILVER	
17-069	EX8816-D54694	7.1BY8.5/8	17-173	PX4324-SY7/1	5Y7/1	17-276	EX6100-MC501	
17-070	EX8816-BLUE(EK)	0.4PY8.4/9.7	17-174	PX4324-RAL7032	8.9Y7.2/1.1	17-277	EX8801(M)-SPARKLESILVER	
17-071	EX8816-BL0169	4PY8.4/8.1	17-175	PX4324-RAL7032	8.9Y7.2/1.1	17-278	EX6100-CHROMESILVER	
17-072	EX8816-NEWBLUE(N5)	6.5PY8.2/8.3	17-176	PX4324-SY7/1	5Y7/1	17-279	EX8816(M)-GY0325	
17-073	EX8816-4PB4/10(HDPM)	4.6PY8.4/7.2	17-177	PX4601-FY40CH	2Y9Y/10.5	17-280	EX8816(M)-D/GREY(HA)	
17-074	EX8816-BLUE(KW)	5.5PY8.4/9.5.2	17-178	PX4324-DIC164(HH)-H	7.1YR7.2/11.5	17-281	EX8801(M)-CY0167	
17-075	EX8816-D52792	5BY8.3/7	17-179	PX4600-OE0048-H	8R4.9/1.2.14	17-282	EX8801(WH)-HS-BK017	
17-076	EX8816-BL0001	1.6PY8.7/7.3	17-180	PX8576-AZALEAREDE(KJHL)	6.6R4.1/11.6	17-283	EX6100-GD005(H)	
17-077	EX8816-L/BLUE(BU)	0.4PY8.6/8.8	17-181	PX8576-AZ0004(2003)	6.2R4.1/10.5	17-284	EX6100-HE016	
17-078	EX8816-L/GREEN(DD)	5.4BG6.5/5.7	17-182	PX8576-BICEDEA(H)	5.5R3.8/9.2	17-285	EX8816(M)-GOLD(2860)	
17-079	EX8816-G/VORY(H)	0.8GY8.9/1	17-183	PX8576-MATCHBLUE(HT)	1.8PY4.7/4.6	17-286	EX6100-GD003	
17-080	EX8816-L/GREEN(WD)	7.8GY7.8/2.8	17-184	PX8576-COMETBLUE	1.4PY3.1/4.6	17-287	EX8816(M)-SPECIALGOLD	
17-081	EX8816-K/GREEN(KRP)	5.2GY9.3/2	17-185	PX4600-GN0404-H	7.6GY7.8/8.1	17-288	EX8816(M)-GD0005-H	
17-082	EX8816-SOFTGREEN(HA)	5.1BG7.7/2.6	17-186	PX4600-L/GREEN(WT)-H	7.3GY6.9/9.8	17-289	EX8816(M)-GD0011-H	
17-083	EX8816-L/GREEN(O13K)	0.7GY7.7/2.1	17-187	PX8576-BROWN(H)	8.8R4.1/11.8	17-290	EX6100-GD002	
17-084	EX8816-GY0218	8.7BG6.4/1.7	17-188	PX4324-G8HC(E)	3.9B1.2/1.2	17-291	BS76(M)-SM-SUPERSILVER	
17-085	EX8816-GC0025	7.7G5.9/1.9	17-189	PX4324-BLACK	5Y2.4/0.5	17-292	BS76(M)-NC-SUPERSILVER	
17-086	EX8816-GN0034	6.6BG5.5/3.4	17-190	EX8576(S)-5Y7/1	5Y7/1	기능성 본체		
17-087	EX8816-GN0034	6.6BG5.5/3.4	17-191	PX8576(S)-7.5BG6/1.5	7.5BG6/1.5	17-293	EX4420-GY135D(DW), 자체성	5.1GY8.0/0.5
17-088	EX8816-E39684	9G6.7/6.7	17-192	PX8576(S)-SC29.20(물감화색)	6.8Y5.5/0.5	17-294	EX4420-BE0080, 자체성	9.6Y7/1.2.2
17-089	EX8816-RAL6021(HMC)	9.2GY5.8/3.6	17-193	PX8576(S)-SC29.40(와인화색)	5.2GY3.4/0.4	17-295	EX4420-S/SP510(DW), 자체성	1.3GY3.6/0.1
17-090	EX8816-2.5G6/3	2.5G6/3	17-194	PX8576(S)-BLACK(AB-1)	3.9Y2.3/0.2	17-296	EX4420-GE0060, 자체성	2BG4.5/1
17-091	EX8816-VG0078-H	0.9GY7.0/8.2	17-195	PX8576(F)-GY0909.0(자연화색)	7YR4.1/0.1	17-297	EX4511(S)-WH0009, 대면형지	4.6GY9.2/0.2
17-092	EX8816-L/GREEN(WT)-H	7.3GY6.9/8.1	17-196	PX8576(F)-BR0242(고려화색)	5.9YR2.8/0.3	17-298	EX4511(S)-2.5Y9/2, 대면형지	2.5Y9/2
17-093	EX8816-D40575-H	9.5GY6.1/8.3	특수무늬 스트리치			17-299	EX4511(S)-E34890, 대면형지	1.2GY8.9/1.5
17-094	EX8816-PA-4535-H	10GY6.5/9	17-197	EX8816(S)-SR-WH062	7.6Y8.7/0.4	17-300	EX4511(F)-BK0075, 대면형지	2.5PY8.2/0.4
17-095	EX8816-GREEN(H)-22(H)	2.7G5.3/0.3	17-198	EX8816(S)-SR-WH020	0.6GY8.5/0.			