

# PAINT PROCESSES



## PROCESSES

PROCESS N°	PROCESS DESCRIPTION			DRYING	CHARACTERISTICS	NOTES
	PRIMERS DERIVED FROM BINDER	FILLERS DERIVED FROM BINDER	TOPCOATS DERIVED FROM BINDER			
1	29100 1K FAST PRIMER 29101-3 SYNTOPRIMER		29114-6 SYNTOLACK 29400 SYNTOLACK SATIN MATT 29401 SYNTOLACK SEMI GLOSSY	air drying	fast process of easy execution	for agricultural and yard machines
A	YD 101 HYDROPOX 1K PRIMER HP		YD 114 HYDROLACK 1K RAPID	air drying	fast process of easy execution	industrial machines
B	YD 101 HYDROPOX 1K PRIMER HP		YD 155 HYDROCRYL 2K	air drying/low bake	fast process of easy execution	industrial machines petrol stations
2	29107 EPOXYPRIMER		29140 ISOLACK HIGH 29144 ISOLACK 29403 ISOLACK GLOSSY	air drying/low bake	very good anticorrosive resistance good aesthetical aspect very good weather resistance	industrial painting in general
2/A			29441 ACRYL 2K AC SATIN MATT 29443 ACRYL 2K AC 29446 ACRYL 2K AC GLOSSY 29134 TECNORIP 2K METAL	air drying/low bake	very good anticorrosive resistance direct adhesion	industrial painting
C	Y 175001 HYDROPOX PRIMER Y 109001 HYDROPUR PRIMER PREMIUM Y 175100 HYDROPOX PRIMER HCR Y 109100 ISOFAN HYDRO PRIMER WHITE		YD 155 HYDROCRYL 2K YD 144 HYDROCRYL 2K PREMIUM	air drying/low bake	very good anticorrosive resistance good aesthetical aspect very good weather resistance	industrial painting in general
3			29197 ACRYL 2K PLAST MATT 29196 ACRYL 2K PLAST	air drying	direct adhesion on ABS, PC/ABS, PMMA	
4	29102 EPOBUILD PRIMER		29145 ISOLACK PUR 29402 ISOLACK PUR GLOSSY	air drying	medium resistance process	general use
4/A	29124 ACRYL 2K FLASH PRIMER		29424 ACRYL 2K FLASH TOP COAT	air drying	medium resistance process	general use
D	Y 175001 HYDROPOX PRIMER Y 109001 HYDROPUR PRIMER PREMIUM Y 175100 HYDROPOX PRIMER HCR Y 109100 ISOFAN HYDRO PRIMER WHITE		YD 600 ISOFAN HYDRO TOP COAT	air drying/low bake	very good anticorrosive resistance very good aesthetical aspect very good weather resistance	industrial painting in general
5			29119 MONOSYNT	air drying	very cheap	one-coat for chassis and metallic framing
E			YD 157 HYDROCRYL 1K	air drying	very cheap	used in general industry
6			29130 TECNORIP	air drying	cheap process with fairly good anticorrosive resistance	semi-matt one-coat
			29131 TECNORIP METAL	air drying	special aesthetical aspect (micaceous iron oxide)	one-coat for frames and railings
F			YD 138 HYDRO CRYL 1K HCR	air drying/low bake	cheap process with fairly good anticorrosive resistance	industrial painting in general
7			29170-2 EPODUR	air drying/low bake	good chemical resistance	industrial machines, for manufactures kept inside
			29179 EPOXYLACK 29176 EPODUR EFB	air drying/low bake	one-coat with embossed effect good chemical resistance	industrial machines, for manufactures kept inside
G			YD 179 HYDROPOX 2K EFB	air drying/low bake	one-coat with embossed effect good chemical resistance	industrial machines, for manufactures kept inside
8			29143-29152-3-6-9 ACRYL 2K 29404 ACRYL 2K SATIN MATT 29405 ACRYL 2K SEMI GLOSSY 29406 ACRYL 2K GLOSSY	air drying/low bake	direct adhesion on metal	gloss - matt, orange peel - textured effect, industrial machines, for manufactures kept inside
H			YD 143 HYDROCRYL 2K GRIP YD 600 ISOFAN HYDRO TOP COAT	air drying/low bake	direct adhesion on metal	industrial machines, for manufactures kept inside
9	29103 SYNTOPRIMER		29180 NITRON	air drying	fast, cheap	
I			YD 157 HYDROCRYL 1K	air drying	very cheap	used in general industry
10			29185 NITRON 2K	air drying	semi-gloss cheap product with direct adhesion on metals	for interior
11	29107 EPOXYPRIMER 29109 ACRIPUR PRIMER 29175 EPOFAN	29204 IS FILLER HBF 29105 HI-BUILD FILLER	29140 ISOLACK HIGH 29154 ISOLACK HS 29190 BASECOAT 29155 ACRITOP 29164 ACRIPROF UHS	air drying/low bake	process with good anticorrosive property excellent aesthetical aspect, very good resistance dry-on-dry system	industrial painting in general
L	Y 175001 HYDROPOX PRIMER Y 109001 HYDROPUR PRIMER PREMIUM Y 175100 HYDROPOX PRIMER HCR	Y 104001 HYDROPUR FILLER	YD 155 HYDROCRYL 2K	air drying/low bake	process with good anticorrosive property, good aesthetical aspect and very good resistance	industrial painting in general
12	29107 EPOXYPRIMER 29100 1K FAST PRIMER 29109 ACRIPUR PRIMER 29175 EPOFAN	29106 ISOSEALER	29140 ISOLACK HIGH 29154 ISOLACK HS 29155 ACRITOP 29164 ACRIPROF UHS	air drying/low bake	process with good anticorrosive property excellent aesthetical aspect, very good resistance wet-on-wet system	industrial painting in general
M	Y 175001 HYDROPOX PRIMER Y 109001 HYDROPUR PRIMER PREMIUM Y 175100 HYDROPOX PRIMER HCR	Y 106001 HYDROPUR SEALER	YD 155 HYDROCRYL 2K	air drying/low bake	process with good anticorrosive property excellent aesthetical aspect, very good resistance	industrial painting in general
13	ACRYL 2K (29143 TQ)		09792 ACRIFAN TRASP.	air drying/low bake	for high resistance sight finishes	directly on metals
14			ACRYL 2K (29143 TQ) 29404 ACRYL 2K SATIN MATT 29405 ACRYL 2K SEMI GLOSSY 29406 ACRYL 2K GLOSSY		single product process	adhesion on metals and plastics for sight finishes
15		29204 IS FILLER HBF 29105 HI-BUILD FILLER	29144 ISOLACK 29190 BASECOAT / TRASP. 29403 ISOLACK GLOSSY	air drying/low bake	high resistance process	process for fibreglass vans, good aesthetical aspect, high resistance
16		29106 ISOSEALER	29154 ISOLACK HS	air drying/low bake	high resistance process	process for fibreglass vans, good aesthetical aspect, high resistance
N		Y 104001 HYDROPUR FILLER Y 106001 HYDROPUR SEALER	YD 155 HYDROCRYL 2K	air drying/low bake	high resistance process	process for fibreglass vans, good aesthetical aspect, high resistance
17			29144-2 ISOLACK 29403 ISOLACK GLOSSY	air drying/low bake	process for fibreglass vans in very good condition	
0			YD 155 HYDROCRYL 2K YD 142 HYDROCRYL 2K MATT	air drying/low bake	gloss-matt single product with direct adhesion	fibreglass vans in very good condition
18	29132 TECNORIP GLOSS (Binder diluito al 100%)		29117-8 SYNTOLACK PENN 29150 ISOLACK 1K	air drying	for wood painting	do-it-yourself
19	29132 TECNORIP GLOSS (Binder diluito al 100%)	29204 IS FILLER HBF	29144-2 ISOLACK 29403 ISOLACK GLOSSY	air drying/low bake	for high quality wood painting	professional use
20			29140 ISOLACK HIGH	air drying/low bake	direct painting of some plastic materials	
21			29180-186 NITRON	air drying	fast and cheap process	metallic small parts
22	29101 SYNTOPRIMER 29100 1K FAST PRIMER		29150 ISOLACK 1K 29151 POLYLACK 1K	air drying	fast process of easy execution	by brush and by spray
23			29472 FRAMECOAT PVC SATIN MATT 29282 FRAME COAT PVC	air drying/low bake	direct application on PVC (frames)	good quality process
24			29125 ISORUBBER	air drying	on bricks immersed in water or in humid environment	chlorinated rubber product
25			29132 TECNORIP GLOSS	air drying	one-coat on cement, aluminium and wood	
26			29157-8 ACRYL 1K 29407 ACRYL 1K SATIN MATT 29408 ACRYL 1K SEMI GLOSSY 29409 ACRYL 1K GLOSSY	air drying	1K one-coat for ABS - PS - PVC	
27	29130 TECNORIP		29132 TECNORIP GLOSS	air drying	vinyl gloss and anticorrosive process	
28	29109 ACRIPUR PRIMER 29175 EPOFAN PRIMER 04000 HI-BUILD EPOXY PRIMER WHITE 04003 HI-BUILD EPOXY PRIMER GREY		29155 ACRITOP 29162 ACRITOP SATIN MATT 29164 ACRIPROF UHS 44501-44500 ISOFAN NEUTRAL - ISOFAN WHITE	air drying/low bake	high quality, practical process	for big manufactures
29	29109 ACRIPUR PRIMER 29175 EPOFAN PRIMER 04000 HI-BUILD EPOXY PRIMER WHITE 04003 HI-BUILD EPOXY PRIMER GREY		29154 ISOLACK HS 29164 ACRIPROF UHS	air drying/low bake	2 product process with high chemical resistance	low V.O.C. process
P			YD 203 HYDROPLAST GLOSS YD 204 HYDROPLAST MATT YD 282 HYDROFRAME COAT PVC FLEX YD 943 HYDROPLAST SEMI GLOSSY WS	air drying/low bake	high resistance cycle outside	cycle by habitat sector
Q			YD441 HYDROCRYL 2K AC GRIP PLUS 10 YD446 HYDROCRYL 2K AC GRIP PLUS 50	aria/forno	very good anticorrosive resistance direct adhesion	industrial painting

## METALS

	VERY VALUABLE		VALUABLE		MEDIUM QUALITY		CHEAP		INDUSTRIAL		NOTES
CARBON STEEL	11-12 28-29	L-M	2	C-D	22-4-4A- 8-27 2/A	A-B-H-Q	1-7 9-6	G-F	10 5-21	E-I	
STAINLESS STEEL	13-28-29	L-M	2	C-D	7-8-14 2/A	A-B-H-Q		G			sand the substrate
ALUMINIUM AND ITS ALLOYS	11-12 28-29-13	L-M	2	C-D	4-4A-7-8 2/A	A-B-H-Q	6-25	G-F	10		
SILVER					7						
BRONZE	28-29		2		7-8-14						
IRON AND CAST IRON	11-12 28-29	L-M	2	C-D	4-4A-7-8 22-27	A-B-H	1 6-9	G-F	5-10	E-I	
HOT DIP GALVANIZED STEEL SHEET	11-12 28-29	L-M	2	C-D	4-4A 2/A	Q	8	G			sand well the substrate
GALVANIZED STEEL SHEET	11-12 28-29	L-M	2	C-D	4-4A 2/A	A-B-H-Q	6-8	G-F	10		do not sand
CHROMIUM/NICKELPLATED METAL	11-12 28-29	L-M	2	C-D	7						sand the substrate
GOLD					7						
BRASS	28-29		2		8-14						degrease thoroughly
COPPER	28-29		2		8-14						
COPPER (zinc + aluminium + magnesium)	28-29		2		7-8	H					

## PLASTIC MATERIALS

	VERY VALUABLE		VALUABLE		MEDIUM QUALITY		CHEAP		NOTES
ABS				P	3		26		
PA NYLON			8						
POLYMETHYL METHACRYLATE (PLEXI-GLAS)					3				brittleness
PPO POCAN			8						
PS RIGID POLYSTYRENE							26		use specific thinner
RIM RIGID POLYURETHANE			8						
RIGID PVC			23	P	3				
FLEXIBLE PVC							26		in mixture with LS130(29130)-LS132(29132)

## VARIOUS SUBSTRATES

	VERY VALUABLE		VALUABLE		MEDIUM QUALITY		CHEAP		NOTES
BAKELITE	20	N	8			H	G		after substrate sanding
CARBON (FIBRE)	15	N	8 20-17			H	G		after substrate sanding
PHENOLIC RESINS		N	8			H	G		after substrate sanding
FORMICA		N	8			H	G		after substrate sanding
GEL COAT	15-16	N	8 20-17			H	G		after substrate sanding
KEVLAR	15	N	8-20			H	G		after substrate sanding
UREA RESINS		N	8			H	G		after substrate sanding
FIBREGLASS	15-16	N	8 20-17			H	G		after substrate sanding
CATAPHORESIS	15-16	N	2		4	A-B-H	G-E-I		after substrate sanding
CONCRETE			2	C	4-7				
PLASTERBOARD			2		4-7				
CEMENT			2		4-7		6-25		
CONCRETE FOR INTERIOR FLOORS							7		use LS170(29170)-LS172(29172) EPODUR
CERAMIC			2						
COIL COATING	15	N	2		4	A-B	G		after substrate sanding
ELECTROPHORESIS	15-16	N	2		4	A-B-H	G-E-I		after substrate sanding
BRICKS					24				
WOOD	19		18				25		
MASONITE	19		18						
POWDER COATING		N	2		7-20-8	A-B-H	G-E-I		after substrate sanding
PORCELAIN					7				
GLASS							7		with addition of 09830 additive
OLD COATINGS (in good condition)	15	N	16		17-20	A-B-H	G-E-I		after substrate sanding