



» Industrial surface treatment

AGRICULTURE MACHINERY



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SURFACE TREATMENT OF AGRICULTURE MACHINERY

In this material, we offer our customers an overview of some of the most commonly used paint coating systems (CS) for surface treatment (ST) of metal agricultural machinery (machines, tractors, flatbeds, various equipment and also for cattle housing or farm warehouses). These CSs are based on the practical knowledge and experience of our technicians.

SELECTED COATING SYSTEMS (most common use)

Surface treatment of agricultural technology is generally carried out by a selected group of paints such as resilient multilayer coatings of polyurethanes or epoxies. In many cases, the requirement directly on the CS is to be appropriate for contact with food or eg. for storage of agricultural crops or for housing livestock.



IRON SURFACES

A	synthetic (alkyd) two-layer CS (AK) ST of bodies of agricultural machinery and transport containers and siding			
	primer	top coat	whole CS	
	S2000 SYNOREX PRIMER	S2225 ULTRA RAPID EMAIL or S2032 EMAIL	S2000 + S2225 (S2032)	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm	C3 / 5-8 years
	BASIC CHARACTERISTICS quick-drying excellent corrosion protection	BASIC CHARACTERISTICS S2225 gloss and fast drying S2032 high gloss and very fast drying	BASIC CHARACTERISTICS good UV and weather resistance quick-drying	

B	synthetic (alkyd urethane / alkyd silicone) two-layer CS (AK) ST of bodies of agricultural machinery and transport containers and siding			
	primer	top coat	whole CS	
	S2220 SYNTEPUR PRIMER	S2413	S2220 + S2413	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm	C3 / 10 years
	BASIC CHARACTERISTICS quick-drying high corrosion protection high mechanical resistance	BASIC CHARACTERISTICS semi-gloss higher dry matter selected shades resistant to temperatures up to 200 °C	BASIC CHARACTERISTICS high UV and weather resistance higher resistance	

C	combined epoxy polyurethane two-layer CS (2k EP + 2k PUR) CS: S2318 + U2054 is certified for the surface treatment of agricultural technology, agricultural storage structures and livestock housing structures			
	primer	top coat	whole CS	
	S2318 EPAX	U2054 AXAPUR	S2318 + U2054	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm	C3 / 10-15 years
	BASIC CHARACTERISTICS high corrosion protection also on galvanized material even thicker layers	BASIC CHARACTERISTICS gloss high weather resistance	BASIC CHARACTERISTICS high UV and weather resistance	



D	combined epoxy polyurethane two-layer CS (2k EP + 2k PUR)			
	primer	top coat	whole CS	
	S2318 EPAX	U2060 or U2066 AXAPUR	S2318 + U2060 (U2066)	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm	C3 / 10-15 years
	BASIC CHARACTERISTICS high corrosion protection also on galvanized material even thicker layers	BASIC CHARACTERISTICS U2060 gloss, semi-matt, matt and structural surface U2066 higher dry matter and resistances	BASIC CHARACTERISTICS high UV and weather resistance	

E	combined epoxy polyurethane two-layer CS (2k EP + 2k PUR)			
	primer	top coat	whole CS	
	S2328 EPAX	U2074 AXAPUR	S2328 + U2074	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 40 µm	1 / 60-80 µm	100-120 µm	C3 / 10 years
	BASIC CHARACTERISTICS high corrosion protection even thicker layers fast drying	BASIC CHARACTERISTICS gloss economic version	BASIC CHARACTERISTICS high weather resistance and stability economic version	



epoxy one-layer CS (2k EP)			
F	one-layer paint		whole CS
	S2339 EPAX		S2339
	NUMBER OF LAYERS / DFT		TOTAL NDFT EXPECTED LIFE
	1-2 / 150 µm		150 µm C3 / 10-15 years
	BASIC CHARACTERISTICS		BASIC CHARACTERISTICS
	matt high corrosion protection thick layers also on galvanized iron		easy and very quick application high mechanical resistance one-layer application

polyurethane two-layer CS (2k PUR)			
CS U2008 + U2060 is certified for coatings of agricultural technology - is considered suitable for short-term contact with food			
G	primer	top coat	whole CS
	U2008 AXAPUR PRIMER	U2060 or U2066 AXAPUR	U2008 + U2060 (U2066)
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm C3 / 10-15 years
	BASIC CHARACTERISTICS	BASIC CHARACTERISTICS	BASIC CHARACTERISTICS
	quick-drying also for galvanized iron, aluminium and titanium zinc	U2060 gloss, semi-matt, matt and structural surface U2066 higher dry matter and resistances	high weather resistance and stability



H	polyurethane two-layer CS (2k PUR)			
	primer	top coat	whole CS	
	U2217 AXAPUR	U2074 AXAPUR	U2217 + U2074	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm	C3 / 10-12 years
	BASIC CHARACTERISTICS	BASIC CHARACTERISTICS	BASIC CHARACTERISTICS	
	by default semi-gloss good corrosion protection quick-drying	gloss good UV and weather resistance economic version	high weather resistance and stability economic version	

CH	water-based (alkyd) two-layer CS (AK)			
	primer	top coat	whole CS	
	V2158	V2072 AQUACOL	V2158 + V2072	
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT	EXPECTED LIFE
	1 / 60 µm	1-2 / 60 µm	120 µm	C3 / 5-10 years
	BASIC CHARACTERISTICS	BASIC CHARACTERISTICS	BASIC CHARACTERISTICS	
	corrosion protection quick-drying	gloss UV and weather resistance	UV and weather resistance effective VOC solutions	



GALVANIZED SURFACES

A	polyurethane one-layer CS (2k PUR)		
	CS: U2218 is certified for coatings of agricultural technology - is considered suitable for short-term contact with food		
	one-layer paint		whole CS
	U2218 or U2219 AXAPUR		U2218 (U2219)
	NUMBER OF LAYERS / DFT		TOTAL NDFT EXPECTED LIFE
	1-2 / 80-120 µm		80-120 µm C3 / 10-15 years
	BASIC CHARACTERISTICS		BASIC CHARACTERISTICS
	U2218 semi-matt, gloss, matt or structure		easy and quick application
	U2219 semi-matt		high UV and weather resistance
	also for aluminium and titanium zinc		one-layer application
	quick-drying		

B	polyurethane two-layer CS (2k PUR)		
	CS U2008 + U2060 is certified for coatings of agricultural technology - is considered suitable for short-term contact with food		
	primer	top coat	whole CS
	U2008 AXAPUR PRIMER	U2060 or U2066 AXAPUR	U2008 + U2060 (U2066)
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT EXPECTED LIFE
	1 / 40 µm	1-2 / 60-80 µm	100-120 µm C3 / 10-15 years
BASIC CHARACTERISTICS		BASIC CHARACTERISTICS	BASIC CHARACTERISTICS
quick-drying also on aluminium, titanium zinc and steel		U2060 gloss, semi-matt, matt and structural surface U2066 is a high dry-matter variant	high UV and weather resistance quick-drying



combined epoxy polyurethane two-layer CS (2k EP + 2k PUR)			
CS S2318 + U2054 is certified for the surface treatment of agricultural technology, agricultural storage structures and livestock housing structures			
C	primer	top coat	whole CS
	S2318 EPAX	U2054 AXAPUR	S2318 + U2054
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT EXPECTED LIFE
	1 / 40 µm	2 / 60-80 µm	100-120 µm C3 / 10-15 years
	BASIC CHARACTERISTICS high corrosion protection also for steel even thicker layers	BASIC CHARACTERISTICS gloss high weather resistance	BASIC CHARACTERISTICS high UV and weather resistance

combined epoxy polyurethane two-layer CS (2k EP + 2k PUR)			
D	primer	top coat	whole CS
	S2318 EPAX	U2060 or U2066 AXAPUR	S2318 + U2060 (U2066)
	NUMBER OF LAYERS / DFT	NUMBER OF LAYERS / DFT	TOTAL NDFT EXPECTED LIFE
	1 / 40 µm	2 / 60-80 µm	100-120 µm C3 / 12-15 years
	BASIC CHARACTERISTICS high corrosion protection also for steel even thicker layers	BASIC CHARACTERISTICS U2060 gloss, semi-matt, matt and structural surface U2066 is a high dry-matter variant	BASIC CHARACTERISTICS high UV and weather resistance

