

KANSAI HELIOS PROTECTIVE COATING SYSTEMS ACCORDING TO DIN EN ISO 12944-5:2018

SUBSTRATEE	CORROSION CATEGORY	SYSTEM RECOMMENDATION BY BINDER		
STEEL, BLASTED Sa 2.5	C2 low	ESI/EP(Zn®)PUR: NDFT 60µm • 1x 60µm Heliozinc 11-11	EP/PUR: NDFT 80µm • 1x 80µm HELIOPUR 41-20	AK/AY: NDFT 80µm • 1x 40µm HELIOFAST 12-02 • 1x 40µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C2 medium	ESI/EP(Zn®)PUR: NDFT 60µm • 1x 60µm Heliozinc 11-11	EP/PUR: NDFT 100µm • 1x 100µm HELIOPUR 41-20	AK/AY: NDFT 100µm • 1x 60µm HELIOFAST 12-02 • 1x 40µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C2 high	ESI/EP(Zn®)PUR: NDFT 60µm • 1x 60µm Heliozinc 11-11	EP/PUR: NDFT 120µm • 1x 80µm HELIOPOX 10-32 • 1x 40µm HELIOPUR 31-11	AK/AY: NDFT 160µm • 1x 80µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C2 very high	ESI/EP(Zn®)PUR: NDFT 160µm • 1x 80µm Heliozinc 11-11 • 1x 80µm HELIOPUR 41-20	EP/PUR: NDFT 180µm • 1x 100µm HELIOPOX 10-32 • 1x 80µm HELIOPUR 41-20	AK/AY: NDFT 200µm • 1x 100µm HELIOFAST 12-02 • 1x 100µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C3 low	ESI/EP(Zn®)PUR: NDFT 60µm • 1x 60µm Heliozinc 11-11	EP/PUR: NDFT 100µm • 1x 60µm HELIOPOX 10-44 • 1x 40µm HELIOPUR 31-11	AK/AY: NDFT 100µm • 1x 60µm HELIOFAST 12-02 • 1x 40µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C3 medium	ESI/EP(Zn®)PUR: NDFT 60µm • 1x 60µm Heliozinc 11-11	EP/PUR: NDFT 120µm • 1x 80µm HELIOPOX 10-32 • 1x 40µm HELIOPUR 31-11	AK/AY: NDFT 160µm • 1x 80µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C3 high	ESI/EP(Zn®)PUR: NDFT 160µm • 1x 80µm Heliozinc 11-11 • 1x 80µm HELIOPUR 41-20	EP/PUR: NDFT 180µm • 1x 100µm HELIOPOX 10-32 • 1x 80µm HELIOPUR 41-20	AK/AY: NDFT 200µm • 1x 80µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 12-02 • 1x 40µm HELIOFAST 31-01

SUBSTRATE	CORROSION CATEGORY	SYSTEM RECOMMENDATION BY BINDER		
		ESI/EP(Zn®)PUR: NDFT 200µm	EP/PUR: NDFT 240µm	AK/AY: NDFT 260µm
STEEL, BLASTED Sa 2.5	C3 very high	<p>ESI/EP(Zn®)PUR: NDFT 200µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 120µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 240µm</p> <ul style="list-style-type: none"> • 1x 140µm HELIOPOX 10-32 • 1x 100µm HELIOPUR 41-20 	<p>AK/AY: NDFT 260µm</p> <ul style="list-style-type: none"> • 1x 90µm HELIOFAST 12-02 • 1x 90µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C4 low	<p>ESI/EP(Zn®)PUR: NDFT 60µm</p> <ul style="list-style-type: none"> • 1x 60µm Heliozinc 11-11 	<p>EP/PUR: NDFT 120µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOPOX 10-32 • 1x 40µm HELIOPUR 31-11 	<p>AK/AY: NDFT 160µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C4 medium	<p>ESI/EP(Zn®)PUR: NDFT 160µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 80µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 180µm</p> <ul style="list-style-type: none"> • 1x 100µm HELIOPOX 10-32 • 1x 80µm HELIOPUR 41-20 	<p>AK/AY: NDFT 200µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 12-02 • 1x 40µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C4 high	<p>ESI/EP(Zn®)PUR: NDFT 200µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 120µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 240µm</p> <ul style="list-style-type: none"> • 1x 160µm HELIOPOX 10-32 • 1x 80µm HELIOPUR 41-20 	<p>AK/AY: NDFT 260µm</p> <ul style="list-style-type: none"> • 1x 90µm HELIOFAST 12-02 • 1x 90µm HELIOFAST 12-02 • 1x 80µm HELIOFAST 31-01
STEEL, BLASTED Sa 2.5	C4 very high	<p>ESI/EP(Zn®)PUR: NDFT 260µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 100 HELIOPOX 20-31 M10 • 1x 80µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 300µm</p> <ul style="list-style-type: none"> • 1x 110µm HELIOPOX 10-31 • 1x 110µm HELIOPOX 20-31 M10 • 1x 80µm HELIOPUR 41-20 	
STEEL, BLASTED Sa 2.5	C5 low	<p>ESI/EP(Zn®)PUR: NDFT 160µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 80µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 180µm</p> <ul style="list-style-type: none"> • 1x 100µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20 	
STEEL, BLASTED Sa 2.5	C5 medium	<p>ESI/EP(Zn®)PUR: NDFT 200µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 120µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 240µm</p> <ul style="list-style-type: none"> • 1x 160µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20 	

SUBSTRATE	CORROSION CATEGORY	SYSTEM RECOMMENDATION BY BINDER	
STEEL, BLASTED Sa 2.5	C5 high	<p>ESI/EP(Zn®)PUR: NDFT 260µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 100 HELIOPOX 20-31 MIO • 1x 80µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 300µm</p> <ul style="list-style-type: none"> • 1x 110µm HELIOPOX 10-31 • 1x 110µm HELIOPOX 20-31 MIO • 1x 80µm HELIOPUR 41-20
STEEL, BLASTED Sa 2.5	C5 very high	<p>ESI/EP(Zn®)PUR: NDFT 320µm</p> <ul style="list-style-type: none"> • 1x 80µm Heliozinc 11-11 • 1x 160 HELIOPOX 20-31 MIO • 1x 80µm HELIOPUR 41-20 	<p>EP/PUR: NDFT 360µm</p> <ul style="list-style-type: none"> • 1x 140µm HELIOPOX 10-31 • 1x 140µm HELIOPOX 20-31 MIO • 1x 80µm HELIOPUR 41-20
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C2 high	<p>EP/PUR: NDFT 80µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOPUR 41-20 	<p>AK/AY: NDFT 80µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C2 very high	<p>EP/PUR: NDFT 120µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOPOX 10-31 • 1x 40µm HELIOPUR 31-11 	<p>AK/AY: NDFT 160µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST AQ 15-02 • 1x 80µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C3 medium	<p>EP/PUR: NDFT 80µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOPUR 41-20 	<p>AK/AY: NDFT 80µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C3 high	<p>EP/PUR: NDFT 120µm</p> <ul style="list-style-type: none"> • 1x 120µm HELIOPUR 41-20 	<p>AK/AY: NDFT 160µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST AQ 15-02 • 1x 80µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C3 very high	<p>EP/PUR: NDFT 160µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20 	<p>AK/AY: NDFT 200µm</p> <ul style="list-style-type: none"> • 1x 100µm HELIOFAST AQ 15-02 • 1x 100µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C4 low	<p>EP/PUR: NDFT 80µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOPUR 41-20 	<p>AK/AY: NDFT 80µm</p> <ul style="list-style-type: none"> • 1x 80µm HELIOFAST AQ 35-02

SUBSTRATE	CORROSION CATEGORY	SYSTEM RECOMMENDATION BY BINDER	
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C4 medium	EP/PUR: NDFT 120µm • 1x 120µm HELIOPUR 41-20	AK/AY: NDFT 160µm • 1x 80µm HELIOFAST AQ 15-02 • 1x 80µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C4 high	EP/PUR: NDFT 160µm • 1x 80µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20	AK/AY: NDFT 200µm • 1x 100µm HELIOFAST AQ 15-02 • 1x 100µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C4 very high	EP/PUR: NDFT 200µm • 1x 120µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20	
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C5 low	EP/PUR: NDFT 120µm • 1x 120µm HELIOPUR 41-20	AK/AY: NDFT 160µm • 1x 80µm HELIOFAST AQ 15-02 • 1x 80µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C5 medium	EP/PUR: NDFT 160µm • 1x 80µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20	AK/AY: NDFT 200µm • 1x 100µm HELIOFAST AQ 15-02 • 1x 100µm HELIOFAST AQ 35-02
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C5 high	EP/PUR: NDFT 200µm • 1x 120µm HELIOPOX 10-31 • 1x 80µm HELIOPUR 41-20	
GALVANIZED STEEL, SWEEP BLAST-CLEANING	C5 very high	EP/PUR: NDFT 240µm • 1x 140µm HELIOPOX 10-31 • 1x 100µm HELIOPUR 41-20	

KANSAI HELIOS PROTECTIVE COATING SYSTEMS ACCORDING TO DIN EN ISO 12944-6:2018

REDUCED
COATING
THICKNESS

SUBSTRATE	CORROSION CATEGORY	DFT	SYSTEM RECOMMENDATION
STEEL, BLASTED Sa 2.5	C2 high	80µm	<ul style="list-style-type: none">• 80µm HELIOPUR 41-20
	C3 low	80µm	<ul style="list-style-type: none">• 80µm HELIOPUR 41-20
	C3 medium	100µm	<ul style="list-style-type: none">• 100µm HELIOPUR 41-20
	C3 high	120µm	<ul style="list-style-type: none">• 120µm HELIOPUR 41-20
	C4 high	200µm	<ul style="list-style-type: none">• 1x 120µm HELIOPOX 10-31• 1x 80µm HELIOPUR 41-20
	C4 high	200µm	<ul style="list-style-type: none">• 1x 120µm HELIOPOX 10-32• 1x 80µm HELIOPUR 41-20
	C5 high	240µm	<ul style="list-style-type: none">• 1x 140µm HELIOPOX 10-31• 1x 100µm HELIOPUR 41-20



PROTECTING VALUES –
SECURING THE FUTURE

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