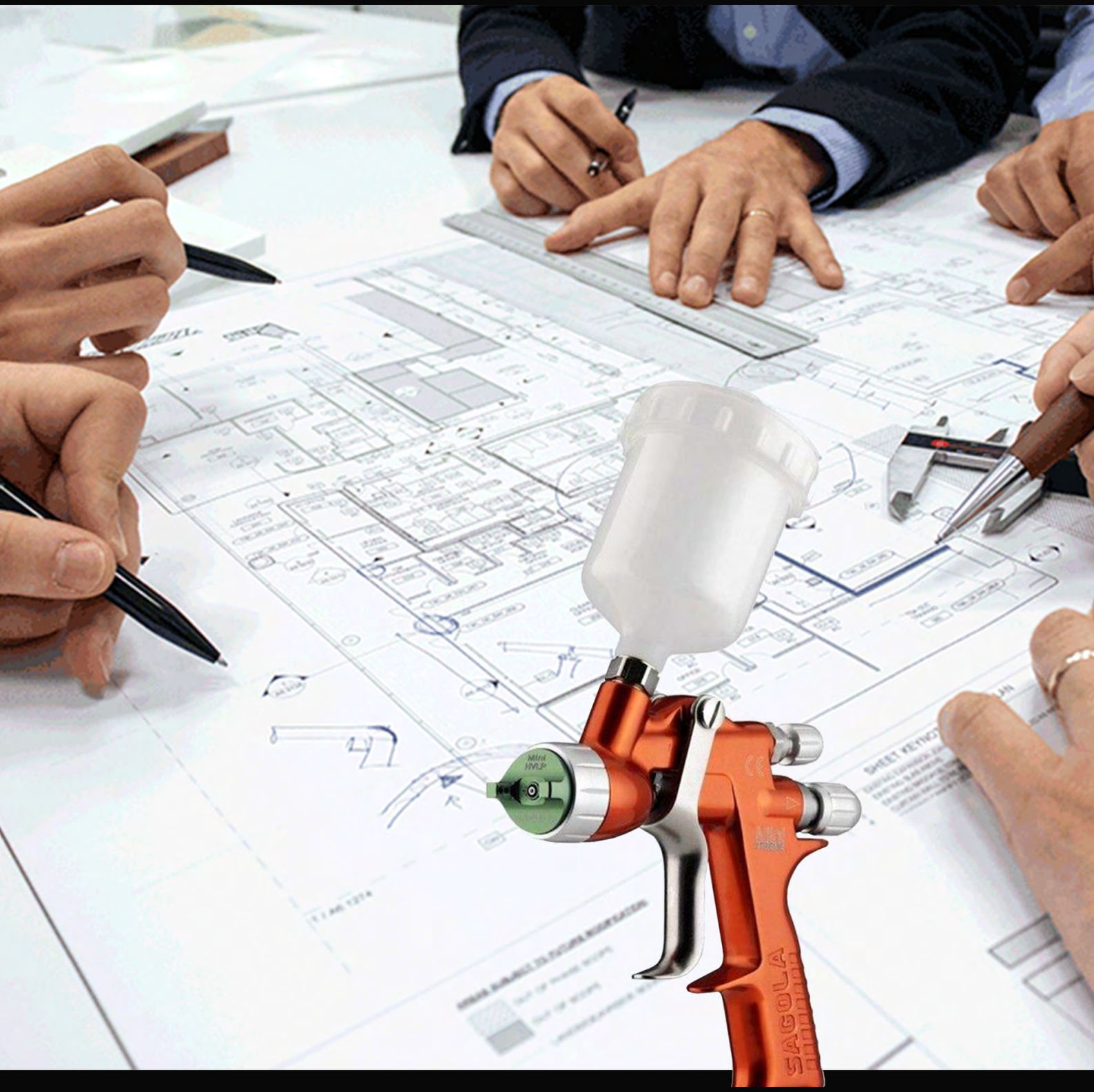
NANO-CERAMIC®

WWW.NANO-CERAMIC.COM INDUSTRIAL PROTECTIVE COATINGS



Product **Recommendations** Application **Guidance**

Color Card

COLOR PALETTE

		SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
RESIDENTIAL	Original Cool White					☑	☑	☑	☑	☑	☑								
	Original Transparent		☑	☑	☑							☑	☑	☑	☑	☑	☑	☑	☑
	RAL 9001 Cream White					☑	☑	☑	☑	☑	☑								
	RAL 9002 Grey White					☑	☑	☑	☑	☑	☑								
	RAL 9003 Signal White					☑	☑	☑	☑	☑	☑								
	RAL 9004 Signal Black					☑	☑	☑	☑	☑	☑								
	RAL 9005 Jet Black					☑	☑	☑	☑	☑	☑								
	RAL 9006 White Aluminium					☑	☑	☑	☑	☑	☑								
	RAL 9007 Grey Aluminium					☑	☑	☑	☑	☑	☑								
	RAL 9010 Pure White					☑	☑	☑	☑	☑	☑								
	RAL 9011 Graphite Black					☑	☑	☑	☑	☑	☑								
	RAL 9016 Traffic White					☑	☑	☑	☑	☑	☑								
	RAL 9018 Papyrus White					☑	☑	☑	☑	☑	☑								
	RAL 9022 Pearl Light Grey					☑	☑	☑	☑	☑	☑								
	RAL 9023 Pearl Dark Grey					☑	☑	☑	☑	☑	☑								
	RAL 1000 Green Beige					☑	☑	☑	☑	☑	☑								
	RAL 1001 Beige					☑	☑	☑	☑	☑	☑								
	RAL 1002 Sand Yellow					☑	☑	☑	☑	☑	☑								
	RAL 1011 Brown Beige					☑	☑	☑	☑	☑	☑								
	RAL 1013 Pearl White					☑	☑	☑	☑	☑	☑								
	RAL 1014 Ivory					☑	☑	☑	☑	☑	☑								
	RAL 1015 Light Ivory					☑	☑	☑	☑	☑	☑								
	RAL 1017 Traffic Black					☑	☑	☑	☑	☑	☑								
	RAL 3016 Light Pink					☑	☑	☑	☑	☑	☑								
	RAL 5007 Pastel Blue					☑	☑	☑	☑	☑	☑								
	RAL 4009 Pastel Violet					☑	☑	☑	☑	☑	☑								
	RAL 6027 Light Green					☑	☑	☑	☑	☑	☑								
	RAL 7000 Signal Grey					☑	☑	☑	☑	☑	☑								
	RAL 1036 Pearl Gold					☑	☑	☑	☑	☑	☑								
	RAL 8029 Pearl Copper					☑	☑	☑	☑	☑	☑								
	RAL 4012 Pearl Blackberry					☑	☑	☑	☑	☑	☑								
	RAL 5025 Pearl Gentian Blue					☑	☑	☑	☑	☑	☑								
	RAL 6036 Pearl Opal Green					☑	☑	☑	☑	☑	☑								
	RAL 8016 Mahogany Braun					☑	☑	☑	☑	☑	☑								
WOOD	SI11 Transparent		☑	☑															
	SI11 Light		☑	☑															
	SI11 Nut		☑	☑															
	SI11 Colonial		☑	☑															
INDUSTRIAL	Original Cool White					☑	☑	☑	☑	☑	☑								
	Original Transparent		☑	☑	☑							☑	☑	☑	☑	☑	☑	☑	☑
	RAL 1026 Luminous Yellow		☑	☑	☑	☑	☑												
	RAL 3020 Traffic Red		☑	☑	☑	☑	☑												

Color Card

COLOR CARD

		SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
INDUSTRIAL	RAL 9005 Jet Black		☑	☑	☑	☑	☑												
	RAL 1004 Golden Yellow [Cat]		☑	☑	☑	☑	☑												
	RAL 6002 Leaf Green [J.D Deere]		☑	☑	☑	☑	☑												
	RAL 7035 Light Grey		☑	☑	☑	☑	☑												
	RAL 7011 Dark Grey		☑	☑	☑	☑	☑												
	RAL 7001 Silver Grey		☑	☑	☑	☑	☑												
	RAL 8002 Signal Brown		☑	☑	☑	☑	☑												
	RAL 8025 Pale Brown		☑	☑	☑	☑	☑												
MARINE	Original Cool White					☑	☑	☑	☑	☑	☑								
	Original Transparent		☑	☑	☑							☑	☑	☑	☑	☑	☑	☑	☑
	RAL 9010 Pure White		☑	☑	☑	☑	☑												
	RAL 9001 Cream White		☑	☑	☑	☑	☑												
	RAL 5023 Distant Blue		☑	☑	☑	☑	☑												
	RAL 1023 Traffic Yellow		☑	☑	☑	☑	☑												
	RAL 7001 Silver Grey	☑	☑	☑	☑	☑	☑												
	RAL 1015 Light Ivory		☑	☑	☑	☑	☑												
	RAL 9016 Pure White		☑	☑	☑	☑	☑												
	RAL 9001 Cream		☑	☑	☑	☑	☑												
	RAL 1001 Beige		☑	☑	☑	☑	☑												
	RAL 1020 Olive Yellow		☑	☑	☑	☑	☑												
	RAL 3000 Fire Red		☑	☑	☑	☑	☑												
	RAL 3004 Burgundy		☑	☑	☑	☑	☑												
	RAL 7036 Platium		☑	☑	☑	☑	☑												
	RAL 9005 Jet Black		☑	☑	☑	☑	☑												
	RAL 5018 Turqoise Blue		☑	☑	☑	☑	☑												
	RAL 6027 Light Green		☑	☑	☑	☑	☑												
	RAL 5000 Violet Blue		☑	☑	☑	☑	☑												
	RAL 5012 Light Blue		☑	☑	☑	☑	☑												
	RAL 5002 Ultramarine Blue		☑	☑	☑	☑	☑												
	RAL 5013 Sapphire Blue		☑	☑	☑	☑	☑												
	RAL 5005 Signal Blue		☑	☑	☑	☑	☑												
ANTIFOULING	Original Transparent												☑						
	RAL 9005 Jet Black												☑						
	RAL 3001 Signal Red												☑						
	RAL 5002 Ultra Marina Blue												☑						
	RAL 7004 Signal Grey												☑						
MILITARY	Original Cool White					☑	☑	☑	☑	☑	☑								
	Original Transparent		☑	☑	☑							☑	☑	☑	☑	☑	☑	☑	☑
	RAL 7031 Blue Grey		☑	☑	☑	☑	☑												
	RAL 9005 Jet Black		☑	☑	☑	☑	☑												
	RAL 6006 NATO Green		☑	☑	☑	☑	☑												

Characteristics

			SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
MILITARY		RAL 7024 Graphite Grey		☑	☑	☑	☑	☑												
		RAL 1015 Dessert Sand		☑	☑	☑	☑	☑												
		HEX #8c8475 Camo Beige		☑	☑	☑	☑	☑												
		HEX #717a81 Dark Grey Camo		☑	☑	☑	☑	☑												
		HEX #574c48 Dark Brown Camo		☑	☑	☑	☑	☑												
		HEX #544F3D Olive Drap		☑	☑	☑	☑	☑												
		HEX #4c4a3c Very Dark Drap		☑	☑	☑	☑	☑												
		HEX #d4b97d Light Stone		☑	☑	☑	☑	☑												
		RAL 6031 Bronze Green		☑	☑	☑	☑	☑												
		RAL 6451 Brunswick Green		☑	☑	☑	☑	☑												
		RAL 7016 Dark Sea Grey		☑	☑	☑	☑	☑												
		RAL 5008 RAF Blue Grey		☑	☑	☑	☑	☑												
ADDITIVE	SOLV	Lower viscosity thinner layer		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
	RETA	Slower curing longer flashtime		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
	ACCL	Faster curing speed up projects		☑	☑	☑	☑	☑	☑	☑			☑	☑						
	H_2O	Deionised water	☑																	
TECHNICAL DATA — APPEARANCE - COLOR & FINISH & SHINE	51/78	(20/60°) Transparent Gloss		☑										☑	☑		☑	☑		
	11/21	(20/60°) Transparent Matte			☑											☑				
	10/18	(20/60°) Transparent Flat Matt											☑						☑	☑
	41/69	(20/60°) Transp.Textured Semi Gloss				☑														
	49/77	(20/60°) White Gloss (Medium)					☑													
	33/59	(20/60°) White Satin (Medium)						☑												
	41/69	(20/60°) White Gloss Textured							☑											
	11/21	(20/60°) White Matte Textured								☑										
	41/69	(20/60°) Black Textured Semi Gloss																		
	15/28	(20/60°) White Eggshell (Flat Flinish)									☑									
	18/28	(20/60°) White Eggshell (Flat Flinish)										☑								
	18/28	(20/60°) Black Gloss												☑						
	51/78	(20/60°) Red Gloss												☑						
	51/78	(20/60°) Blue Gloss												☑						
	51/78	(20/60°) Traffic Yellow Gloss																		
	33/59	(20/60°) Silver Grey Satin	☑																	
	51/78	(20/60°) Grey Gloss												☑						
		(20/60°) Color Card		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
MOH'S SCALE		H9 Hardness			☑	☑			☑	☑			☑			☑	☑	☑		
		H8 Hardness	☑				☑	☑												
		H7 Hardness									☑			☑						
		H6 Hardness										☑		☑						
		H2 Hardness										☑		☑	☑				☑	☑

Product Surface recommend.

PRODUCT SURFACE RECOMMENDATION

			SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIF
TEMP.RESISTANCE		300°C Temperatur Resistance		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
		400°C Temperatur Resistance	☑																	
		850°C Temperatur Resistance													☑	☑	☑	☑	☑	☑
HYDR		Self Cleaning Permanent Hydrophobic		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
FLEXIBLE		ISO 1520 > 6mm Cupping		☑	☑	☑	☑	☑	☑	☑		☑	☑	☑						
		ISO 1520 > 7mm Cupping	☑								☑				☑	☑	☑	☑	☑	☑
PET		Polyester Hull		☑	☑	☑	☑	☑						☑		☑	☑	☑		
		Fiberglass Fabric		☑												☑	☑	☑		
		Laminated Carbon		☑	☑	☑	☑	☑						☑		☑	☑	☑		
		Carbon Fabric		☑												☑	☑	☑		
PORSELAIN		Unglazed Ceramic		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑			☑				
		Glazed Ceramic		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑				☑	☑		
STEEL		Carbon Steel	☑	☑	☑	☑	☑	☑						☑		☑	☑	☑		
		Aluminum	☑	☑	☑	☑	☑	☑						☑		☑	☑	☑		
		Aluminum Composite	☑	☑	☑	☑	☑	☑								☑	☑	☑		
		Stainless Steel	☑	☑	☑											☑	☑	☑		
		Brass		☑	☑											☑	☑	☑		
		Copper		☑	☑											☑	☑	☑		
		Chrome/Gold plated		☑	☑											☑	☑	☑		
WOOD		Softwood		☑	☑	☑	☑	☑											☑	
		Hardwood		☑	☑	☑	☑	☑						☑					☑	
		Engineerd Wood		☑	☑	☑	☑	☑					☑						☑	
		Varnished Wood															☑	☑		
PLASTIC		Polycarbonate		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑		☑	☑		
		PVC Foam Board		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑				☑	☑		
		Polyethylene PE		☑	☑	☑	☑	☑	☑	☑			☑				☑	☑		
		Acrylic		☑			☑								☑					
		Glass													☑					
STONE		Gypsum Panels					☑	☑	☑	☑	☑	☑	☑							
		Granite			☑	☑							☑			☑	☑			
		Marble			☑	☑							☑				☑			
		Quartz			☑	☑							☑			☑				
		Metamorphic Rock			☑	☑							☑			☑				
		Limestone			☑	☑							☑				☑			
		Crystalized Limestone			☑	☑							☑				☑			
		Bricks			☑	☑	☑	☑					☑	☑					☑	
		Sandstone			☑	☑	☑	☑					☑	☑					☑	
		Concrete			☑	☑	☑	☑	☑	☑	☑	☑	☑	☑					☑	

NANO-CERAMIC® THE NEW GENERATION COATINGS **NANO-CERAMIC.COM**

Consumption per m²

SOFT SURFACES

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
Fabrics																		☑
Canvas																		☑
Polyamide																		☑
Suede																		☑
Leather																		☑

CONSUMPTION
REACHABLE AREA BASED ON LAYERS OF COATING USED

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
270gr/m² - 285ml/m² 75 micron = 7m²		☑	☑															
180gr/m² - 190ml/m² 50 micron = 14m²		☑	☑															
90gr/m² - 95ml/m² 25 micron = 21m²		☑	☑															
350gr/m² - 330ml/m² 75 micron = 6m²											☑							
235gr/m² - 220ml/m² 50 micron = 9m²											☑							
115gr/m² - 110ml/m² 25 micron = 18m²											☑							
225gr/m² - 225ml/m² 90 micron = 9m²	☑			☑														
150gr/m² - 150ml/m² 60 micron = 18m²	☑			☑														
75gr/m² - 75ml/m² 30 micron = 27m²	☑			☑														
200gr/m² - 165ml/m² 90 micron = 12m²					☑	☑												
130gr/m² - 110ml/m² 60 micron = 16m²					☑	☑												
65gr/m² - 55ml/m² 30 micron = 24m²					☑	☑												
130gr/m² - 110ml/m² 70 micron = 16m²							☑	☑										
200gr/m² - 165ml/m² 105 micron = 12m²							☑	☑										
65gr/m² - 55ml/m² 35 micon = 24m²							☑	☑										
280gr/m² - 165ml/m² 90 micron = 12m²									☑									
140gr/m² - 85ml/m² 45 micron = 24m²									☑									
250gr/m² - 143ml/m² 90 micron = 12m²										☑								
125gr/m² - 72ml/m² 45 micron = 24m²										☑								
308gr/m² -286ml/m² = 200 micron = 14m²												☑						
154gr/m² -143ml/m² = 100 micron = 28m²												☑						
2ml/m² = 2 micron/25m²													☑	☑				
2ml/m² = 6 micron/25m²															☑	☑		
40ml/m² = 12 micron 25/250/1.000																	☑	
20ml/m² = 12 micron 24/250/1.000 Leather																		☑
20ml/m² = 12 micron 12/125/500 fabric																		☑

DURABILITY CERAMIC COATING AND PAINT
EXPECTED LIFE DURATION IN YEARS

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
Metal Roof		**30**	**30**	**30**	**25**	**25**												
Concrete Roof		**30**	**30**	**30**	**25**	**25**												
Clay Roof Tiles		**30**	**30**	**30**	**25**	**25**												
Concrete Wall / Overhang Exterior			**30**	**30**					**20**	**15**	**15**							
Concrete Wall / Ceiling Interior			**60**	**60**			**60**	**60**	**40**	**30**	**30**							
Wood Segments Exterior		**25**	**25**	**25**	**20**	**20**												
Wood Segments Interior		**50**	**50**	**50**	**40**	**40**												
Garage Door PVC or Aluminium		**30**	**30**	**30**	**25**	**25**												
Steel Fence		**30**	**30**	**30**	**25**	**25**												

Expected Life Duration

CERAMIC COATING AND PAINT
EXPECTED LIFE DURATION

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
Composite Panels		**30**	**30**	**30**	**25**	**25**												
Residential Concrete Floor		**25**	**25**	**25**	**20**	**20**												
Commercial Concrete Floor		**20**	**20**	**20**	**15**	**15**												
Residential Wood Floor		**15**	**15**	**15**	**10**	**10**												
Basement or Industrial Concrete Floor		**20**	**20**	**20**	**15**	**15**												
Swimmingpool		**30**	**30**	**30**	**25**	**25**												
Patio Stone/Tile Outdoor		**20**	**20**	**20**	**15**	**15**					**15**							
Wood Deck Outdoor		**15**	**15**	**15**	**10**	**10**												
Polyester Hull		**30**	**30**	**30**	**25**	**25**									**5**	**5**		
Antifouling												**8**						
Land wall												**12**						
Chassis Truck		**20**	**20**	**20**	**20**	**20**												
Bedliner				**20**														
Train / LRT / MRT Exterior		**30**	**30**		**25**	**25**												
Train / LRT / MRT Interior		**60**	**60**		**50**	**50**												
Aeroplane		**12**	**12**		**10**	**12**												
Storage Tanks	**20**	**30**	**30**	**30**	**30**	**30**												
Bridge	**20**	**30**	**30**	**30**	**30**	**30**												

THIN FILM CERAMIC
EXPECTED LIFE DURATION

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
Aeroplane													**5**	**5**				
Train / LRT / MRT Exterior													**10**	**10**				
Train / LRT / MRT Interior													**3**	**2**				
Composite Panel Facade													**10**	**10**				
Glass Facade Exterior												**5**						
Glass Facade Interior												**10**						
Glass Bathroom												**2**						
Glossy Tile & Chrome														**5**				
Matte Tile & Stone													**5**					
Stainless (Kitchen) & Panel														**10**				
Natural Stone																**5**		
Natural Wood																**5**		
Fabric																		**2-3**
Leather																		**2-3**
Canvas																		**2-3**

NUMBER OF COATS
POLYESTER

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
Polyester Hull		3x	3x	2x									2x	1x	1x			
Fiberglass Fabric		4x																
Laminated Carbon		4x																
Carbon Fabric		4x																

PORCELAIN

	SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
Unglazed Ceramic		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x			1x				
Glazed Ceramic		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				1x			

Amount of Coats

NUMBER OF COATS WITH PREFFERED APPLICATION TECHNIQUE

		SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
STEEL	Carbon Steel	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x						2x		1x	1x			
	Aluminum	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x						2x			1x			
	Aluminum Composite		2x	2x	2x	2x	2x									1x			
	Stainless Steel		2x	2x	2x	2x	2x									1x	1x		
	Brass		2x	2x												1x			
	Copper		2x	2x												1x			
	Chrome/Gold plated		2x	2x												1x			
WOOD	Softwood		2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x						1x	
	Hardwood		2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x					1x	
	Engineerd Wood		2x 3x	2x 3x	2x 3x	2x 3x	2x 3x					2x 3x						1x	
	Varnished Wood															1x		1x	
PLASTIC	Polycarbonate		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				1x			
	PVC Foam Board		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				1x			
	Polyethylene PE		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				1x			
	Acrylic		2x			2x								1x					
	Glass		2x			2x								1x					
STONE	Gypsum Panels					2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x								
	Granite		2x 3x	2x 3x	2x 3x							2x 3x			1x	1x			
	Marble		2x 3x	2x 3x	2x 3x							2x 3x				1x			
	Quartz		2x 3x	2x 3x	2x 3x							2x 3x			1x				
	Metamorphic Rock		2x 3x	2x 3x	2x 3x							2x 3x			1x				
	Limestone		2x 3x	2x 3x	2x 3x							2x 3x				1x			
	Crystalized Limestone		2x 3x	2x 3x	2x 3x							2x 3x				1x			
	Bricks		2x 3x	2x 3x	2x 3x					2x 3x	2x 3x	2x 3x						1x	
	Sandstone		2x 3x	2x 3x	2x 3x					2x 3x	2x 3x	2x 3x						1x	
	Concrete	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x 3x	2x					1x	
SOFT SURFACES	Fabrics																		1x
	Canvas																		1x
	Polyamide																		1x
	Suede																		1x
	Leather																		1x
SURFACE PREPARATION TOOLS PORCELAIN	Sanding Disc 180>240grit		☑			☑													
	Sander		☑			☑													
SURFACE PREPARATION TOOLS STEEL	Sanding Disc 180>240grit	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						
	Sander	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						
	Dustless Blasting	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						

Preparation Tools

SURFACE PREPARATION TOOLS

		SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
WOOD	Sanding Disc 80>140grit		☑	☑	☑	☑	☑					☑	☑						
	Sander		☑	☑	☑	☑	☑					☑	☑						
	Floor Grinder 80-140grit		☑	☑	☑	☑	☑					☑	☑						
	Dustless Blasting		☑	☑	☑	☑	☑					☑	☑						
CONCRETE	Sanding Disc 100>120grit	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						
	Sander	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						
	Floor Grinder 80-100grit	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						
	Dustless Blasting	☑	☑	☑	☑	☑	☑	☑	☑			☑	☑						
PRODUCTS	SCRUB Scrub Cleaner													☑	☑	☑	☑		
	40101000 200 pcs Scrub Pad													☑	☑	☑	☑		
	SHRE Pure Shine Shampoo													☑	☑	☑	☑	☑	☑
	401007BX 200 pcs Microfiber Grey													☑	☑	☑	☑	☑	
	CLEAN Sterile Cleaner													☑	☑	☑	☑		
SAFETY	Nitrile gloves	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
	Mask	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑

SURFACE COATING TOOLS

TOOLS

		SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
	2-7" roller cover	☑	☑	☑		☑	☑			☑	☑		☑						
	2-7" roller frame	☑	☑	☑		☑	☑			☑	☑		☑						
	18" roller cover	☑	☑	☑		☑	☑			☑	☑		☑						
	18" roller frame	☑	☑	☑		☑	☑			☑	☑		☑						
	Pole Extension	☑	☑	☑		☑	☑			☑	☑		☑						
SAGOLA	4600 Ext Spray Gun 1.3-1.5mm nozzle		☑	☑		☑	☑			☑	☑		☑						
SAGOLA	3300 Gto Spray Gun 1.8-2.0mm nozzle	☑			☑			☑	☑			☑							
DEWALT	Compressor 1.9 PK 30gal	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
	Nitrile gloves	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
	Mask	☑												☑	☑	☑	☑	☑	☑
	Full Fresh Air Respirator Mask		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
	Paint Suit	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑						
	401007BX 200 pcs Microfiber Grey													☑	☑	☑	☑		
	401007BX 1200 pcs Cotton Pad													☑	☑	☑	☑		

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Surface Maintenance

		SIX1	SI11	SI12	SI31 SI33	SI21	SI22	SI41	SI42	SI13	SI15	SI35	SI14	SIO6	SIO9	SIO7	SI10	SIO8	SIFX
PRODUCTS	SIRP Repellent Protector													☑					
	CLEAN Sterile Cleaner													☑					
	SHRE Pure Shine Shampoo		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑	☑	
	WSRE Water Spot Remover		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
	SCRUB Scrub Cleaner		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
	MPCL Multi Purpose Cleaner		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
	SIGS Gloss Sealer																		
	SIFP SI Floor Protector																		
TOOLS	401007BX 200 pcs Microfiber Grey		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
	Water Basket		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
	High Pressure Washer		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
SAFETY	Nitrile gloves		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		
	Mask		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		

NANO-CERAMIC® THE NEW GENERATION COATINGS **NANO-CERAMIC.COM**

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Availability

NANO-CERAMIC® coating and paint are exclusively distributed by NANO-CERAMIC®.
Visit www.nano-ceramic.com or send an email to info@nano-ceramic.com for further product information and order processing.

Introduction

NANO-CERAMIC® coating and paint are high performance one-two-or three component based air-dry coatings, specially designed for finishing, touch-up and repair of organic surfaces.Formulated with durable pigmentation, NANO-CERAMIC® coating and paint provide exceptional and extraordinary performance characteristics compared to conventional solutions and are especially designed for long term chalk and fade resistance in the harshest weather conditions.

NANO-CERAMIC® coating and paint can be applied as a single coat over most surfaces. For some surfaces a light scuff-sanding is recommended to maximize its mechanical bond.In some painting scenarios, especially in corrosive conditions or when a problem with a substrate can be expected. Then our Zinc Primer SX01 can modify these substrates and may be required as surface modifier to achieve a satisfactory topcoat adhesion on these surfaces. These novel water based primers meet the ASTM D3359 adhesion test and provide a superb bonding towards substrate and top coat. Good judgment must be made to confirm the correct surface preparation for your project.For larger surfaces, air spraying is recommended because rolling or brushing produces a less smooth result.

Precautions

NANO-CERAMIC® coating and paint should be used only by experienced and well-trained jobbers in a controlled and good ventilated environment.

Important !! Test a small area first

Always test a small area to confirm that the product color and texture are the desired finish. (Tip ! if apply the sample write down how many ml//m^2 you have used for further calculations.)

Additionally, inspect the sample area after it has fully cured for hardness and good adhesion. Some surfaces may contain invisible, deeper-lying chemicals, for example absorbed heavy cleaning agents.These chemicals could interfere with our coatings and could cause adhesion or curing problems.

If this is the case, the surface will have to be deep cleaned beforehand. The testing is to ensure that once the coating or paint has been applied, no problems of this nature can occur and that no quality problems can be expected after application.

After each job is completed, any remaining materials must be disposed properly and in accordance with local regulations as we have described on the footer on our website under our Hazardous Materials Policy.

This includes unused paint, thinners, cleaners, and any potentially hazardous debris connected with the touch-up and repair.

Standard Operating Procedure (SOP)

Recommended processing temperature:
Ambient temperature: 15-30°C avoid direct sunlight, rain and/or high humidity.

The maximum moisture content for surfaces to be painted directly (without primer) with our solvent-based topcoats is 12-14%. A surface with a higher moisture con tent can lead to peeling problems.

Our waterborne zinc-rich primer, SIX1 which passes the adhesion test ASTM D3359, can be used in case of (corrosion) problems with the substrate or as surface modifier and can be applied at a relative humidity of 40-80%. The primer is fast drying and can be painted over in 2 hours.

IMPORTANT: Before using any NANO-CERAMIC® product, make sure you wear appropriate protective clothes and equipment.

We always recommend using a paint suit, full respiratory face mask and nitrile gloves.

The SIX1/SI11/SI12/SI31/SI33/SI21/SI22/SI41/SI42/SI13/SI15/SI35/SI14 coatings can be applied directly or indirectly on all surfaces (porous and non-porous) such as concrete, steel, wood, acrylic, plaster, painted or unpainted surfaces, indoor and outdoor.

Preparation

Make sure the surface is free of contaminants and dirt. If the surface has been painted, remove all paint including its residue, as our paints and coatings must adhere to the core substrate and not to other (old) paint(s).

Other paints and their residues can dissolve and/or lose their adhesive properties, which can lead to problems.

Mixing Process

2K Mix can B with can A by pouring can B into can A, or measure exactly to NET WEIGHT in a ratio 9:1 using a scale and mix very well.

3K Mix can A with can C by pouring can C into can A, or measure exactly to NET WEIGHT in a ratio of 7:2 using a scale and mix thoroughly, then add the entire contents of can B or measure exactly to NET WEIGHT in a ratio of 7:1 (compared to can A) using a scale and mix very well.

For a good curing process it is extremely important to keep the exact mixing ratio and to mix very well !! **(2 minutes using stick scrape the sides and bottom of the pot as you mix!)**

Carefully pour the mixed contents into a professional paint sprayer.
Check the recommended Flash-off time (Time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product).
Spray in thin layers until the surface has the desired thickness. Depending on the substrate, material and structure, different application techniques can be used, such as paint rollers or brushes.
Let the surface dry for 24 hours. It dries to the touch in 1 hour, after 4 hours it is 85% cured and the remaining 15% (conversion into ceramic) is fully cured after 7 days. Please note that the mixed contents cannot be stored for more than 3 hours, that is also the reason that we supply our ceramic paints and coatings into 2L till maximum 4L canisters.

Warning the surface must be completely dry before application and must remain dry for 6 hours after application!

Solvent and viscosity;
All our paints and coatings are ready to use, for certain spray applications, especially dark colors requiring more than average color pigments, it may be necessary to use a slightly thinner solvent to achieve optimum fluidity. Only use our high quality SOLV Thinner Solvent which is compatible with all our coatings.

Maintenance;
The surface can be easily maintained with an 80 bar high-pressure cleaner or manually cleaned with our biodegradable Reactivating SHRE Shampoo.

Tool Cleaning;
The individual components, as well as the sprayer mixing system, can be thinned and cleaned with our SOLV Thinner Solvent.

Paint scenarios

The following instructional procedures cover the most common types of finishing situations in the field.
These are intended as guidelines and specific scenarios may require changes to these procedures. For this reason, NANO-CERAMIC® coating and paint should only be applied by experienced well-trained
jobbers.

New concrete walls (and ceilings)

RECOMMENDED PRODUCTS SI13/SI15 EGGSHELL WHITE or SI21/SI22 WHITE
or SI41/SI42 TEXTURED WHITE (or colored)

Wait at least 28 days before painting over new concrete. The concrete must have a tensile strength of ≥1.5 N/mm2. Defects or damage to concrete decks must be repaired using a polymer modified repair mortar. Any repairs must cure for a minimum of 72 hours until the moisture content has dropped to the allowable level.

Keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth.
Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

SI13/SI15 and SI21/SI22 can be applied with a microfiber roller and sprayed with a 1.3-1.5mm / 0.05-0.06" nozzle. For SI41/SI42 we recommend to spray with a 1.8-2.0mm / 0.07-0.08"" nozzle as these paints are more difficult to roll due to the particles that make up the texture.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

Painted concrete walls (and ceilings)

Remove the paint from the concrete using a paint stripper, wall sander or dust-free abrasive blasting for large surfaces. Dust-free abrasive blasting is a revolutionary paint stripping and cleaning system that can remove virtually any coating from any surface. It is important that our ceramic coating and paints can bond with the core concrete substrate to make the bond as strong as possible.

Waterproofing concrete roofs

RECOMMENDED PRODUCTS SI21/SI22 WHITE and SI11/SI12 TRANSPARENT (or colored)

Wait at least 28 days before painting over new concrete. The concrete must have a tensile strength of ≥1.5 N/mm2. Defects or damage to concrete decks must be repaired using a polymer modified repair mortar. Any repairs must cure for a minimum of 72 hours until the moisture content has dropped to the allowable level.

Keep the area to be finished clean and free of dirt, oil and fingerprints, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

We recommend applying a three-layer system with two layers of SI21/SI22 White (or colored) as a base and SI11 Transparent Gloss or SI12 Matte as a third layer. This has the advantage that if any settlement cracks occur, these cracks become clearly visible and are easy to repair.

SI21/SI22 and SI11/SI12 can be applied with a 800er roller and sprayed with a 1.3-1.5mm / 0.05-0.06" nozzle.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website.

The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging

Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

You can use our ACCL Curing Accelerator to speed up the curing process.

New concrete floor

RECOMMENDED PRODUCTS SI11/SI12/SI31 TRANSPARENT - SI21/SI22 WHITE (or colored)

If the floor is not level then you can level them with a DIY self-leveling concrete

Wait at least 28 days before painting over new concrete. The concrete must have a tensile strength of ≥1.5 N/mm2.

Defects or damage to concrete decks must be repaired using a polymer modified repair mortar. Any repairs must cure for a minimum of 72 hours until the moisture content has dropped to the allowable level.

Keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

SI11/SI12 or SI21/SI22 can be applied with a 800er roller and sprayed with a 1.3-1.5mm / 0.05-0.06" nozzle. For SI31-SI41 we recommend spraying with a 1.8-2.0mm / 0.07-0.08" nozzle as these paints are more difficult to roll due to the particles that make up the texture.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet.

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

If you want to create a floor that resambles glass, you can sand the floor with sander after it has completely hardened to remove imperfections. This causes the paint to lose its shine. To restore the shine you can polish the floor with cerium oxide.

Recoat an older epoxy floor.

RECOMMENDED PRODUCTS SI11/SI12 TRANSPARENT or SI31 TRANSPARENT TEXTURED or SI21/SI22 WHITE (or colored)

If the existing epoxy floor coating is peeling or showing other signs of delamination, it is best not to treat it. Applying a new coat over such a coating will only lead to more problems. A complete removal of the old coating by grinding would be required.

If the coating is fairly worn with more concrete showing through than there is epoxy, you will need to start sanding the floor again using 120 grit sandpaper on an orbital sander or pole sander to remove the old paint. Once done, vacuum the entire floor.

If you have an older clear coat that you want to renew, then you need to use a 120 grit sandpaper first to actually remove a small layer of the coating. This will help to eliminate any deeper scratches and/or embedded dirt that has marred the finish. If there are almost no scratches then you can use 220 grit as this size is necessary for our topcoats to adhere properly

Keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

SI11/SI12 and SI21/SI22 can be applied with a 800er roller and sprayed with a 1.3-1.5mm / 0.05-0.06" nozzle. For SI31/SI41 we recommend spraying with a 1.8-2.0mm / 0.07-0.08" nozzle as these paints are more difficult to roll due to the particles that make up the texture.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

You can use ACCL Curing Accelerator to speed up the curing process.

If you want to create a floor that resambles glass, you can sand the floor with sander after it has completely hardened to remove imperfections. This causes the paint to lose its shine. To restore the shine, you can polish the floor with cerium oxide.

Unpainted metal / aluminum, coil, extrusions

RECOMMENDED PRODUCTS SI11/SI12 TRANSPARENT or SI31/SI32 TEXTURE TRANSPARENT or SI21/SI22 WHITE or SI33 BEDLINER TEXTURED BLACK

In case of carbon steel with fly rust clean first the metal surface by using a soft steel brush (not too hard) to remove the fly rust.

Clean with SOLV Thinner Solvent and Scott solvent resistent towels. Sand dry with P220 grit sandpaper before the priming.

Clean the surface with SOLV Thinner Solvent and Scott solvent resistent towels. To make sure that the surface is really clean.

A zinc rich primer or our SIX1 primer should be used in corrosive conditions or when problems with the substrate are to be expected. Primers need to pass the adhesion test ASTM D3359.5.

SIX1 we recommend to spray with a 1.8-2.0mm / 0.07-0.08" nozzle.

After the primer was cured for 2 hour you can continue with applying the topcoat
If wait longer as 12 hours with applying the topcoat then dry sand with P360 grit
and clean high purity solvent SOLV.

For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06" nozzle for SI31/SI32/SI33 we recommend spraying with a 1.8-2.0mm / 0.07-0.08" nozzle.

SI11/SI12 or SI21/SI22 can be rolled (with a 800 roller cover) and sprayed with a 1.3-1.5mm nozzle. For SI31/SI32/SI33 we recommend spraying with a 1.8mm / 007" nozzle as these paints are more difficult to roll due to the particles that make up the texture.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area. You can use our RETA Curing Retarder or the ACCL Curing Accelerator to influence the curing process.

Painted metal / aluminum, coil, extrusions

RECOMMENDED PRODUCTS SI11/SI12 TRANSPARENT or SI31/SI32 TEXTURE TRANSPARENT or SI21/SI22 WHITE or SI32 UNDERCOATING TRANSPARENT TEXTURED or SI33 BEDLINER TEXTURED BLACK

A zinc rich primer or our SIX1 primer should be used in corrosive conditions or when problems with the substrate are to be expected. These primers need to pass the adhesion test ASTM D3359.5.
SIX1 we recommend to spray with a 1.8-2.0mm / 0.07-0.08" nozzle. You can sand the surface lightly with 220-grit sandpaper.

Keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06" nozzle for SI31/SI32/SI33 we recommend spraying with a 1.8-2.0mm / 0.07-0.08" nozzle.
SI11/SI12 or SI21/SI22 can be rolled (with a 800 roller cover) and sprayed with a 1.3-1.5mm nozzle. For SI31/SI32/SI33 we recommend spraying with a 1.8mm-007" nozzle as these paints are more difficult to roll due to the particles that make up the texture.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area. You can use our RETA Curing Retarder or the ACCL Curing Accelerator to influence the curing process.

Wooden segments and floors

RECOMMENDED PRODUCTS SI11/SI12 TRANSPARENT SI21/SI22 WHITE (or colored)

You can lightly sand it with 180-grit sandpaper.
Keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

[If you are painting wood please understand that the paint will absorb, to make a strong layer there must be a sufficient layer on top of the wood of 75-90 microns/ 3mil as the layer itself needs volume to build strength in the layer itself. Tip!!

You can use an acrylic paintbrush to follow the grain of the wood, or you can use air spray equipment.
For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06"

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area. You can use ACCL Curing Accelerator to speed up the curing process.

Stone, Marble, Granite, Ceramic Tiles and Swimming pools

RECOMMENDED PRODUCTS SI11/-SI12 TRANSPARENT SI31/SI35 TRANSPARENT TEXTURED SI21 WHITE (or colored)

Since strong cleaning chemicals are sometimes used and absorbed into the substrate, it is important to wash them off as they can seriously compromise the adhesion and curing properties of our coatings.

For waterproofing or painting of shiny ceramic tiles and joints in swimming pools or bathrooms, sand the tiles with 220 grit sandpaper, which can be seen as a deep cleaning of hydrochloric acid residues while while sanding is also important because it makes the surface “open” and increases the contact surface in a way that the coating or paint adheres optimally to the surface.
Make sure that suitable good quality cement mortar grout filler is used to fill holes, cracks and grouts. Don't use geen silicone fillers as our coatings only have perfect adhesion to organic materials, pay special attention to the grout and ensure the grout is well filled, smooth and clean.

When sanding shiny tiles the surface may become less shiny, this is not a problem because our transparent coating fully restores the shine,
Keep the area to be finished clean and free of dirt, oil and fingerprints You can lightly sand with 220-grit sandpaper. Make the area to be finished clean and free of dirt, oil and fingerprints. By using our Steril Cleaner with nano-interlock technology, the grease is actively lifted from the surface and encapsulated using a soft cloth.
Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before painting.

For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06" nozzle for SI31/SI32/SI33 we recommend spraying with a 1.8-2.0mm / 0.07-0.08".

You can check the recommended Flash-off time (Time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet. We recommend always applying a small test surface first and carefully examining the result after complete hardening.

Make sure that the layer is sprayed thick enough so that the layer can build up sufficient strength in the layer itself. For outdoor swimmingpools a temporary roof/cover is required to prevent rainwater from having access to the surface during preparation, coating and curing.

Make sure the pool's pH is between 7.2 and 7.6, as values lower than 7 can cause corrosion.

Refurbishing Porcelain and Melamine Wash Sinks

RECOMMENDED PRODUCTS SI11 TRANSPARENT SI21 WHITE (or colored)

Keep the area to be finished clean and free of dirt, oil and fingerprints You can lightly sand with 220-grit sandpaper. Make the area to be finished clean and free of dirt, oil and fingerprints. By using our Steril Cleaner with nano-interlock technology, the grease is actively lifted from the surface and encapsulated using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before painting.
For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06" nozzle .
Use multiple light passes to build up the SI21 clear coating to prevent sagging.
Do not paint over if the first layer still feels to wet so that wrinkling/sagging can occur.
If sagging occurs, you can sand with 220-grit sandpaper. To make a porcelain glossy appearance wait 6 hours, then apply one layer of SI11 on top. Use multiple light passes to build up the SI11 clear coating to prevent sagging.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications.

When using a roller, the waiting time is slightly longer because the layer can not be rolled wet onwet. Use multiple spray passes to build up the film and prevent sagging. Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

Refurbishing clay roof tiles

RECOMMENDED PRODUCTS SI11 TRANSPARENT or SI21 WHITE (or colored)

Why is painting and repainting your roof necessary?
As roof tiles age, they become increasingly porous and can absorb moisture, leading to fretting and the growth of moss and algae. Our Ceramic Coating or Paint o will protect the tiles from weathering, staining, and further damage for decades

If the roof tiles where painted before and coating is peeling or showing other signs of delamination, it is best not to treat it. Applying a new coat over such a coating will only lead to more problems.

A complete removal of the old coating by using abrasive-sand- blasting would be required. This will remove virtually any coating from any surface. It is important that our ceramic coating and paints can bond with the core substrate to make the bond as strong as possible.
If the roof tiles where not painted before then clean the tiles, You'll need to use SHRE Pure Shine Shampoo a high pressure washer and a stiff brush to clean roof tiles edges. Clean the tiles thoroughly, then rinse them off with a hose.
Before painting, it's crucial to inspect your roof and make sure it's in good condition. If there are any cracked or missing tiles, these need to be replaced before you start painting. Painting over cracked tiles will not fix them and will only result in an uneven finish.

It will depend on the local weather and on the porousity of the tiles how long it takes before until the moisture content has dropped to the allowable level. Once the tiles are perfectly clean and thoroughly dry, you can start painting.

If you are painting wood please understand that the porous surfaces will absorb, to make a strong layer there must be a sufficient layer of 50-75 microns/ 2-3mils on top of the tile because the layer needs this volume to build strength in the layer itself.

Tip!! You can use our SIX1 zinc primer to adjust an absorbent surface before applying one of our top coats. SIX1 we recommend spraying with a 1.8-2.0mm / 0.07-0.08" nozzle.

After the primer was cured for 2 hour you can continue with applying the topcoat If wait longer as 12 hours with applying the topcoat then dry sand with P360 grit and clean high purity solvent SOLV. As we fear that exposure longer than 12 hours can lead to surface contamination.

In this case keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth.

Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06″

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

Undercoat & Bedliner

RECOMMENDED PRODUCT SI33 BLACK or SI31/SI32 TRANSPARENT (or color)

Preparation
Under coat, use a wire brush to remove all rust and old rust protection as we like to bond our air dry coating to the core metal or plastic substrates.

A zinc rich primer or our SIX1 primer should be used in corrosive conditions or when problems with the substrate are to be expected. These primers need to pass the adhesion test ASTM D3359.5. SIX1 we recommend to spray with a 1.8-2.0mm / 0.07-0.08″ nozzle. You can sand the surface lightly with 220-grit sandpaper.

In case our coating needs to adhere to an existing PU coating, first sand with 100 grit sandpaper.

In case a new polyethylene composite drop-in bedliner is used or if the chassis is new, sanding is not really necessary. For used drop-in bedliners, we recommend using 220-grit sandpaper.

Keep the area to be finished clean and free of dirt, oil and fingerprints, by using our Steril Cleaner with nano-interlock technology, Due to the use of the Steril Cleaner, grease, etc. will be actively lifted from the surface and encapsulated by using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating. Allow the surface to dry thoroughly before applying.

For SI31/SI32/SI33 we recommend spraying with a 1.8-2.0mm / 0.07-0.08″ nozzle.as these paints are difficult to roll due to the particles that make up the texture.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website.
Use multiple spray passes to build up the film and prevent sagging

Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

Yachts Marine, Primer and Top Coating

RECOMMENDED PRODUCTS SI11/SI12 TRANSPARENT SI31 TRANSPARENT TEXTURED SI21/SI22 WHITE (or Color)

A zinc rich primer or our SIX1 primer should be used in corrosive conditions or when problems with the substrate are to be expected. These primers need to pass the adhesion test ASTM D3359.5. SIX1 we recommend to spray with a 1.8-2.0mm / 0.07-0.08″ nozzle. You can sand the surface lightly with 220-grit sandpaper.

After the primer was cured for 2 hour you can use putty and sand with 240-320 grit sandpaper to get the surface as smooth as possible. Clean the area to be finished and free of dust, dirt, oil and fingerprints.

If wait longer as 12 hours with applying the topcoat then dry sand with P360 grit and clean the surface with our high purity solvent SOLV.

Clean well to ensure that no dust, grease or other residues such as silicone remain on the surface that could interfere with the adhesion/appearance of the air-dry coating. Every speck of dust on a yacht can be considered an appearance problem. We therefore recommend working in a dust-free environment.

For SI11/SI12 or SI21/SI22 we recommend using air spray equipment with a 1.3-1.5mm / 0.05-0.06″ nozzle for SI31 we recommend spraying with a 1.8-2.0mm / 0.07-0.08″ nozzle.

Please check the recommended Flash-off time (time recommended between coats) they are mentioned on our (TDS) Technical Data Sheets (scan the QR Code on the product). Or you can view the technical application video on our website. The flash-off time is different for roller and spray applications. When using a roller, the waiting time is slightly longer because the layer can not be rolled wet on wet..

Use multiple spray passes to build up the film and prevent sagging
Apply the coating to achieve full coverage and an acceptable appearance for the surrounding area.

You can use our RETA Curing Retarder or the ACCL Curing Accelerator to influence the curing process.

Antifouling

RECOMMENDED PRODUCTS SI14 TRANSPARENT BLACK/RED/BLEU/GREY

A zinc rich primer or our SIX1 primer should be used in corrosive conditions or when problems with the substrate are to be expected. These primers need to pass the adhesion test ASTM D3359.5. SIX1 we recommend to spray with a 1.8-2.0mm / 0.07-0.08" nozzle. You can sand the surface lightly with 220-grit sandpaper.

Clean the area to be finished and free it from old paint, paint residue, dirt, oil and fingerprints. You can lightly sand with 180-240-320 grit sandpaper.

Keep the area to be finished clean and free of dirt, oil and fingerprints, By using our Steril Cleaner with nano-interlock technology, the grease is actively lifted from the surface and encapsulated using a soft cloth. Rinse well to ensure that no grease or other residue such as silicone remains on the surface that could interfere with the adhesion/appearance of the air-dry coating.

Allow the surface to dry thoroughly before applying.

Mix can A with can C by pouring can C into can A, or measure exactly to NET WEIGHT in a ratio of 7:2 using a scale and mix very well, then add the entire contents of can B or measure exactly on NET WEIGHT in a ratio of 7:1 (compared to can A) using a scale and mix very well.

Use a roller or air spray equipment with a 1.3-1.5 mm / 0.05-0.06" nozzle. Use multiple stages to build the SI14 layer and prevent sagging.

Notes:

Drawing:

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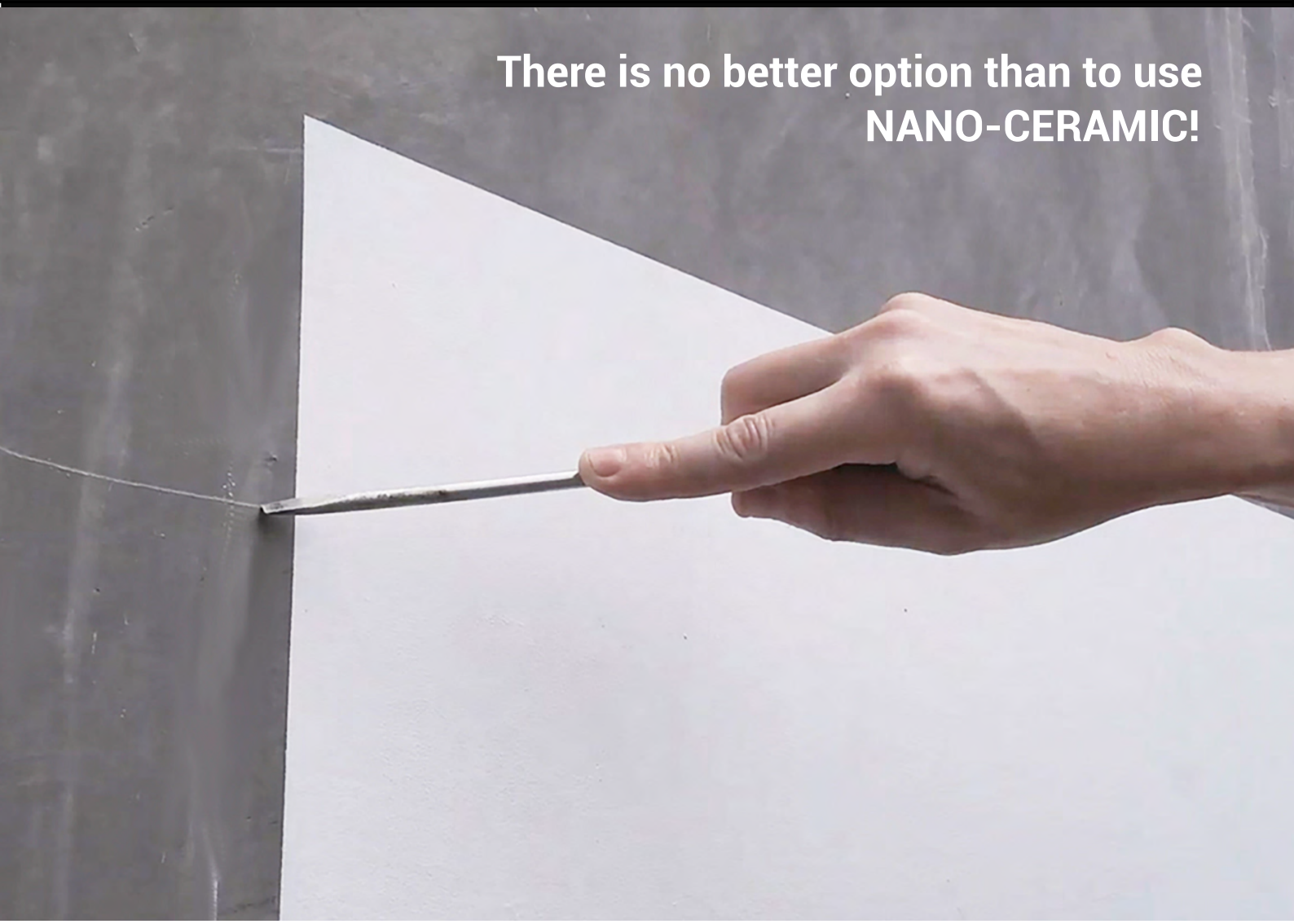

The Leader in Durability

Did you know?

That our coatings are made of pure silica sand, which is the most common element on Earth?

Dealer