

**SPECTRUM**  
I n d u s t r i e s L L C



High Performance  
Specialty Industrial Coatings





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# About Ghobash

Established in 1981, Ghobash Trading and Investment Company (Ghobash Group) is a privately-owned, diversified group that focuses on growth through value-creation. The group has interests in high-growth sectors, including investments, information technology, healthcare, retail and hospitality, real estate, industrial, trade and services.

With a 30-year track record of success, the Ghobash group has established itself as one of the region's diverse business groups. Working with partners, who share the same values, the group seeks out sustainable and profitable investment opportunities in both the private and public sectors, which not only provide optimum stakeholder value but also make sustainable contributions to the communities in which the group operates.

In depth experience, combined with an intimate knowledge of the regional economy, enables Ghobash group to identify, and provide access to, the best business opportunities across the region, backed by personal commitment.

Headquartered in the United Arab Emirates, and with offices in Saudi Arabia, Oman and Qatar, the Ghobash has created a regional infrastructure, that collectively develops new partnerships and investments that support economic and social prosperity.

A core strength of the group is its people. Each employee is treated as a valued member of the Ghobash family and the group embraces a corporate culture that fosters excellence, team spirit and creativity and helps to drive the group's growth.



# Spectrum Industries LLC

Spectrum Industries is operational since 2004 in Dubai Investment Park and is specialized in the production of Coil, Extrusion and Can coatings

Spectrum Industries is currently servicing customers in countries like UAE, KSA, Jordan, Libya, Egypt, Turkey, Morocco, Pakistan, India, Germany & Africa.

Spectrum Industries is the only paint company in Middle East having its own KYNAR500 license to produce PVDF coatings from Arkema USA.

Spectrum Industries meets the international standards of coating systems for coil coating application as set by ECCA (European Coil Coating Association), NCCA (National Coil Coating Association) and is a member of ECCA.



## MD Message

Dear Friends,

As I look back today, more than a decade has passed since we established Spectrum Industries in the year 2004. From the beginning and in a relatively short period of time, Spectrum Industries developed and delivered an extensive range of products to the Coil, Can & Extrusion Industries. High quality coatings were supplied to numerous well-known projects in the Middle East such as The Grand Mosque-Abu Dhabi, Dubai Airport, Dubai Metro, Abudhabi Airport, Muscat Airport, Riyadh Airport, Riyadh Metro. We take pride in our accomplishments and reputation that has been built up over the years through continued support and confidence by our valued business partners.

Our aim is to be one of the world's most valuable, innovative, and reputed manufacturers of high performance specialty coatings. Our goal is to deliver high-quality products and services within the shortest lead-time. Growing while keeping the flexibility and fast reaction time.

Our pledge to our partners is reflected in our vision "To build reliable partnerships towards mutual prosperity"

Oussama Ghandour  
Managing Partner



## Mission & Vision

Our vision is to be recognized as a regional front runner in the manufacturing of specialized industrial coating systems for the architectural and metal packaging industry.

Our mission is ongoing and year by year excellent performance ratings in quality, Innovation, commitment, service and price.

## Core Values

- Honesty
- Transparency
- Trustworthiness
- Professionalism
- Speed
- Accuracy





# Business Segments

## Coil Coatings

Coil coatings are factory applied specialized coatings on flat metal coils of steel or aluminium in continuous painting lines.

The paints are designed to withstand high shear and speed of painting line to give excellent metal finishing in various colours. The coating lines are sophisticated operations and involve close interaction to give an optimum product.

Spectrum Industries emphasizes the partnership model with coil coaters to deliver world class products and services to ensure sustainable and mutual growth

## Extrusion Coatings

Extrusion coatings are spray applied in a conveyerised painting line on aluminium extrusion profiles. These coatings are made from Kynar 500 based PVDF resin to impart high durability to coated profiles to withstand harsh environmental conditions. These are mostly specified in premium projects like five star hotels, retail malls, premium commercial centres, monumental buildings, airports etc. for assured performance over service life. Spectrum is privileged to be part of many such monumental buildings in the Middle East region.

## Can Coatings

Metal food and beverage cans have a thin coating on the interior and exterior surface, which is essential to avoid corrosion of the can, provide aesthetics and prevent contamination of food, beverages with dissolved metals.



# Product Portfolio for Coil Coatings

# Summary of Product Range in Coil and Extrusion Coatings

BRAND	PRODUCT CATEGORY	MARKET SEGMENT	KEY DIFFERENTIATOR
ULTRASHELL	MONOCOAT POLYESTER	Low cost roofing with single coat	Good adhesion with substrate and chalk resistance
ULTRAFORM	STANDARD POLYESTER	Roofing and cladding for normal atmosphere	Excellent adhesion and flexibility for forming process
ULTRACEIL	FLEXIBLE POLYESTER	False Ceiling, Tile ceiling, Blinds	Excellent flexibility, finish and gloss.
ULTRADURO	HIGH DURABLE POLYESTER	Durable roofing and cladding with fade resistance. Signages, composite panels	Excellent adhesion with superior chalk and fade resistance
ULTRASHIELD	SUPER DURABLE POLYESTER	Premium roofing and cladding for Industrial and commercial buildings, composite panels	Long lasting chalk and fade resistance
ULTRATOUGH	PE - PA / PU-PA	Garage doors, Rolling shutters	Abrasion resistant and excellent flexibility
ULTRABUILD	HIGH BUILD PU-PA	Application in industrial atmosphere and corrosive areas	Abrasion and corrosion resistance
ULTRANAR	PVDF TOPCOATS (KYNAR500FSF based)	Roof and wall panels for coastal and industrial buildings	Long lasting durability through Kynar PVDF Resin
ULTRAFLO	FEVE Topcoat	Composite panels for commercial trademark buildings, retail outlets, signages	Durability for bright colours not possible in PVDF
ULTRAREFLECT	SDPE / PVDF	Green building compliance	Meeting SRI criteria for LEED building
ULTRAGLITZ	METALLIC / MICA / GLASS FLAKES	Exotic finishes for facade	Pearlescent and Sparkle
ULTRAGUARD	SPECIAL TOP COAT	Clean room panels for hospitals, schools and hotels	Anti microbial properties

BRAND	PRODUCT CATEGORY	MARKET SEGMENT	KEY DIFFERENTIATOR
ULTRAPRIM - POLY	STANDARD POLYESTER - CHROMATED	Roofing and Cladding	Good Corrosion resistance
ULTRAPRIM - POLY - CF	STANDARD POLYESTER - CHROME FREE	Roofing and Cladding	RoHS Compliance
ULTRAPRIM - URETHANE	POLYURETHANE - CHROMATED/NON-CHROMATED	Roofing and Cladding	Excellent Flexibility and corrosion resistance
ULTRAPRIM - FLOURO	FLOURO PRIMER WHITE	Roofing and Cladding	For PVDF Topcoat with special effect
ULTRAPRIM - HIGH BUILD	POLYURETHANE - CHROMATED	Roofing and Cladding	High Build with excellent flexibility and corrosion resistance
ULTRABACK - POLY	STANDARD POLYESTER	Roofing and Cladding	For better handling during profiling
ULTRABACK - EPOXY	STANDARD EPOXY	Roofing and Cladding	Sandwich Panels
ULTRABACK - URETHANE	STANDARD PU	Roofing and Cladding	Foam adhesion with good flexibility
ULTRABACK - HYBRID	PE-PU/PE-EPOXY HYBRID	Roofing and Cladding	Cost effective for universal application
ULTRASPAR	SPRAY PVDF	Aluminium extrusions for premium residential and commercial buildings	Excellent durability in harsh environments

# ULTRASHELL Coil Coating System



## Single Coat Polyester Coatings

UltraShell coatings are polyester finishes designed for a wide variety of applications in roofing and cladding in normal environment. The key purpose is affordable coloured metal buildings . These can be directly applied on pre-treated substrate providing good adhesion during service life

### Benefits

UltraShell coatings provide a number of unique benefits including:

- Good resistance to sun, rain and other natural elements
- Good scratch resistance
- Good overall adhesion
- Good flexibility and formability

### Colors

UltraShell coatings are available in a wide spectrum of popular industry colors

### Substrates

- Hot-Dip Galvanized (HDG)
- Aluminium

## End uses:

UltraShell coatings are ideal for average life external use on agricultural buildings, rural buildings and construction site coverings:

- Residential metal siding and roofing systems
- Interior liner panels, doors and trim
- Other metal building components
- Fencing for under construction site

# ULTRASHELL Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-5% of customer specification (Range 15-85 units)
	Surface Appearance	Smooth
	Pencil Hardness ASTM D3363	F-H
	Flexibility T-Bend ASTM D4145	1T-3T
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion Steel: 3x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	Humidity Resistance 100% RH 250 hrs : ASTM D2247	Aluminium-no blisters or loss of adhesion HDG - Less than 5% ,Blister Size 4-6 (ASTM D 714) and no loss of adhesion
	Salt Spray Resistance 500 Hrs: ASTM B 117	HDG: less than 3mm scribe creepage, less than 5% no.4-6 size blisters (ASTM D 714)
	Substrate**	Aluminium/HDG

# ULTRAFORM Coil Coating System



## Multi-Purpose Polyester Coatings

UltraForm coatings are field proven, multiple purpose polyester finishes designed for a wide variety of applications. These coatings provide superior flow characteristics over a wide range of cure temperatures. Ultraform coatings when applied over Spectrum recommended corrosion resistant primer to meet stringent roll forming and corrosion demands.

### Benefits

UltraForm coatings provide a number of unique benefits including:

- Good resistance to sun, rain and other natural elements
- Superior scratch resistance
- Good dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability

### Colors

UltraForm coatings are available in a wide spectrum of popular industry colors

### Substrates

- Hot-Dip Galvanized (HDG)
- Aluminium
- Alu-Zinc (AZ/Galvalume/Zincalume)

## End uses:

UltraForm coatings are ideal for long-life external use on agricultural buildings, light commercial and pre-engineered buildings including:

- Residential metal siding and roofing systems
- Interior liner panels, doors and trim
- Rain carrying equipment
- Mobile homes and truck trailers
- Sign blank stock
- Curtain rods, canopies and awnings
- Enclosures
- Other metal building components

# ULTRAFORM Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-5% of customer specification (Range 15-85 units)
	Surface Appearance	Smooth or textured
	Pencil Hardness ASTM D3363	F-2H
	Flexibility T-Bend ASTM D 4145	0-2T
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion. Steel: 3x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-A Resistance ASTM G53 Chalk ASTM D 659 Colour Retention ASTM D 2244	1000 hrs Min.4 DE≤6 for light colours and DE≤10 for medium colours
	Humidity Resistance 100% RH 1,000 hrs : ASTM D2247	Aluminium—no blisters or loss of adhesion HDG/Galvalume®-- Less than 4% ,Blister Size 4-6 (ASTM D 714) and no loss of adhesion
	Salt Spray Resistance 1000 Hrs: ASTM B 117	HDG and Galvalume®: less than 3mm scribe creepage, less than 5% no.4-6 size blisters (ASTM D 714)
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRACEIL Coil Coating System



## Flexible Polyester Coatings

UltraCeil coatings flexible polyester finishes designed for a wide variety of internal applications like false ceilings, tiles and pattern. These coatings provide superior aesthetics in all gloss range and various patterns. They have excellent formability with our without primer. Gloss and abrasion resistant clear coat can be applied for enhanced aesthetics and performance

### Benefits

UltraCeil coatings provide a number of unique benefits including:

- Superior scratch resistance
- Good dirt and stain resistance
- Excellent overall adhesion
- Excellent flexibility and formability

### Colors

UltraCeil coatings are available in a wide Spectrum of popular industry Colors

### Substrates

- Aluminium

## End uses:

UltraCeil coatings are ideal for long-life internal use on false ceiling, internal wall panels and enclosures:

- False ceilings
- Tiles for ceiling
- Internal wall panels
- Curtain rods and venetian Blinds
- Canopies and awnings



# ULTRACEIL Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-5% of customer specification (Range 15-95 units)
	Surface Appearance	Smooth or textured
	Pencil Hardness ASTM D3363	F-2H
	Flexibility T-Bend ASTM D 4145	0T-1T
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	>100 MEK rubs
	Humidity Resistance 100% RH 500 hrs : ASTM D2247	Aluminium—no blisters or loss of adhesion
	Salt Spray Resistance 500 Hrs: ASTM B 117	Aluminium: less than 2mm scribe creepage, less than 5% no.6-8 size blisters (ASTM D 714)
	Substrate**	Aluminium

# ULTRADURO Coil Coating System



## High Durable Polyester Coatings

Ultraduro coatings are field proven high durable polyester finishes designed for a wide variety of applications in pre-engineered buildings. These coatings provide superior physical properties with excellent outdoor durability to environmental factors. This when applied with our proprietary corrosion resistant primer provide good protection in harshest of environment

### Benefits

Ultraduro coatings provide a number of unique benefits including:

- Excellent resistance to sun, rain and other natural elements
- Superior scratch resistance
- Good colour retention
- Excellent overall adhesion
- Great flexibility and formability

### Colors

Ultraduro coatings are available in a wide spectrum of popular industry colours based on inorganic and superior organic pigments

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume/Zincalume/Alu-Zinc
- Aluminium

## End uses:

Ultraduro coatings are ideal for long-life external use on agricultural buildings, commercial and pre-engineered buildings including:

- Residential metal siding and roofing systems
- Industrial sheds and commercial building facades
- Coatings for Aluminium composite panels

# ULTRADURO Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-5% of customer specification (Range 15-85 units)
	Surface Appearance	Smooth or textured
	Pencil Hardness ASTM D3363	F-2H
	Flexibility T-Bend ASTM D 4145	1T-2T
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion. Steel: 3x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-A Resistance ASTM G53	1000 hrs
	Chalk ASTM D 659	Min.6
	Colour Retention ASTM D 2244	DE≤5 for light colours and DE≤8 for medium colours
	Humidity Resistance 100% RH 1,000 hrs : ASTM D2247	Aluminium—no blisters or loss of adhesion HDG/Galvalume®-- Less than 2% ,Blister Size 6-8 (ASTM D 714) and no loss of adhesion
	Salt Spray Resistance 1000 Hrs: ASTM B 117	HDG and Galvalume®: less than 2mm scribe creepage, less than 5% no.6-8 size blisters (ASTM D 714)
	Acid/Alkali Resistance ASTM D 1308 5% Hydrochloric Acid Solution 5% Sodium Hydroxide Solution	Pass 24 Hrs  No discolouration and blisters No discolouration and blisters
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRASHIELD Coil Coating System



## High Performance Super Durable Polyester Coatings

UltraShield coatings are designed to meet improved performance compared to regular high durable polyester coatings through superior durability in chalk and fade resistance. Proprietary primer system allows superior adhesion and bonding. Combined with our high build primer, it can be used for corrosive environment close to sea and high UV regions.

### Benefits

UltraShield coatings provide a number of unique benefits including:

- Outstanding resistance to sun, rain and other natural elements
- Superior abrasion resistance
- Good dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability

### Colors

UltraShield coatings are available in a wide spectrum of popular industry colours entirely based on inorganic ceramic pigments.

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume/Zincalume/Alu-Zinc
- Aluminium

## End uses:

UltraShield coatings are ideal for long-life external use on premium commercial and pre-engineered buildings including:

- Metal roofs and Wall panels
- Mobile homes and metal buildings near sea coast
- Canopies and Industrial sheds.
- Commercial buildings in aggressive environment

# ULTRASHIELD Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-5% of customer specification (Range 15-85 units)
	Surface Appearance	Smooth or textured
	Pencil Hardness ASTM D3363	F-2H
	Flexibility T-Bend ASTM D 4145	1T-2T
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion. Steel: 3x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-A Resistance ASTM G53 Chalk ASTM D 659 Colour Retention ASTM D 2244	2000 hrs Min.8 DE≤3 for light colours and DE≤5 for medium colours
	Humidity Resistance 100% RH 1,000 hrs : ASTM D2247	Aluminium—no blisters or loss of adhesion HDG/Galvalume®-- Less than 2% ,Blister Size 6-8 (ASTM D 714) and no loss of adhesion
	Abrasion resistance: ASTM D 4060-95 Weight loss at 500 cycles with CS-10 wheel	< 50 mg
	Salt Spray Resistance 1000 Hrs: ASTM B 117	HDG and Galvalume®: less than 2mm scribe creepage, less than 2% no.8 size blisters (ASTM D 714)
	Acid/Alkali Resistance ASTM D 1308 5% Hydrochloric Acid Solution 5% Sodium Hydroxide Solution	Pass 24 Hrs  No discolouration and blisters No discolouration and blisters
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRATOUGH Coil Coating System



## PE-PA/PU-PA Coatings

UltraTough coatings are designed to meet improved performance in abrasion, chalk and fade resistance through polyamide introduction in polyester or Polyurethane system. This allows usage in garage door applications, rolling shutters and where handling damages are common. These can be supplied in low gloss to mid gloss finish.

### Benefits

UltraTough coatings provide a number of unique benefits including:

- Excellent resistance to sun, rain and other natural elements
- Superior abrasion resistance
- Good mar resistance
- Excellent overall adhesion
- Great flexibility and formability

### Colors

UltraTough coatings are available in a wide spectrum of popular industry colors

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume/Zincalume/Alu-Zinc
- Aluminium

## End uses:

UltraTough coatings are ideal for long-life external use on residential and industrial buildings

- Canopies and Industrial sheds
- Wall panels
- Garage doors
- Furnitures and cabinets.
- Equipment housings.
- Drain pipes.
- Metal building components

# ULTRATOUGH Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-3% of customer specification (Range 15-35 units)
	Surface Appearance	Textured
	Pencil Hardness ASTM D3363	F-3H
	Flexibility T-Bend ASTM D 4145	0T-2T (Substrate dependent)
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion. Steel: 3x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-A Resistance ASTM G53 Chalk ASTM D 659 Colour Retention ASTM D 2244	1000 hrs, Gloss retention >75% Min.6 DE ≤ 3 for light colours and DE ≤ 5 for medium colours
	Humidity Resistance 100% RH 1,000 hrs : ASTM D2247	Aluminium—no blisters or loss of adhesion HDG/Galvalume®-- no blisters and loss of adhesion
	Salt Spray Resistance 1000 Hrs: ASTM B 117	Aluminium—No creepage and face blisters HDG and Galvalume®: less than 2mm scribe creepage
	Scratch Resistance ASTM	≥2.5 Kg
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRABUILD Coil Coating System



## High Build PU-PA Coatings

UltraBuild coatings are designed to meet superior performance in aggressive environment through higher thickness and toughness of PU-PA system. These when combined with performance pigments provides excellent fade resistance. This can be applied on our proprietary high build primer to give outstanding corrosion resistance in aggressive environment of industrial plants like fertilizer, petro chemical etc.

### Benefits

UltraBuild coatings provide a number of unique benefits including:

- Excellent resistance to sun, rain and other natural elements
- Superior abrasion resistance
- Good dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability

### Colors

UltraBuild coatings are available in a wide spectrum of popular industry colors

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume/Zincalume/Alu-Zinc
- Aluminium

## End uses:

UltraBuild coatings are ideal for long-life external use on residential and industrial buildings in aggressive environment

- Canopies and Industrial sheds
- Metal building components.
- Buildings near sea coast.
- Pre-engineered buildings in Industrial areas



# ULTRABUILD Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	+/-3% of customer specification (Range 15-35 units)
	Surface Appearance	Textured
	Pencil Hardness ASTM D3363	F-3H
	Flexibility T-Bend ASTM D 4145	0T-2T (Substrate dependent)
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion. Steel: 3x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-B Resistance ASTM G53 Chalk ASTM D 659 Colour Retention ASTM D 2244	1000 hrs, Gloss retention>85% Min.8 DE≤3 for light colours and DE≤5 for medium colours
	Humidity Resistance 100% RH 1,000 hrs : ASTM D2247	Aluminium—no blisters or loss of adhesion HDG/Galvalume®-- no blisters and loss of adhesion
	Salt Spray Resistance 1000 Hrs: ASTM B 117	Aluminium—No creepage and face blisters HDG and Galvalume®: less than 2mm scribe creepage
	Abrasion resistance: ASTM D 4060-95 Weight loss at 500 cycles with CS-10 wheel	<40 mg
	Scratch Resistance ASTM	≥2.5 Kg
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRANAR Coil Coating System



## Designed for Harshest Environments

Ultranar coatings are premium Fluoropolymer coatings based on patented Kynar500® FSF® PVDF resin with proven performance in harshest of environmental conditions. They provide outstanding resistance to Ultraviolet rays, exceptional colour retention and resistance to chalking and chemical degradation

### Benefits

Ultranar coatings provide a number of unique benefits including:

- Outstanding resistance to sun, rain and other natural elements
- Superior chemical resistance
- Excellent dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability
- Upto 30 years standard warranty for film integrity, colour and chalk
- Compliance to AAMA-2605 specifications

### Colors

Ultranar coatings are available in a wide spectrum of popular industry colors, metallic, pearlescent and sparkle finishes.

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume/Zincalume/Alu-Zinc
- Aluminium

## End uses:

Ultranar coatings are ideal for long-life external use on premium commercial and residential buildings including:

- Metal roof panels
- Wall panels
- Stadium roofs and coastal buildings
- Green buildings.
- Industrial sheds of fertilizer, chemical and mining factories etc.
- Aluminium composite panels of premium buildings like Hotel, airports, monuments etc

# ULTRANAR Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	Typical 20-35 units
	Surface Appearance	Smooth
	Pencil Hardness ASTM D3363	HB-F
	Flexibility T-Bend ASTM D 4145	0T-2T
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion. Steel: 2x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-B Resistance ASTM G53 Chalk ASTM D 659 Colour Retention ASTM D 2244	2000 hrs, Gloss retention >85% Min.8 DE ≤ 3 for light colours and DE ≤ 5 for medium colours
	Humidity Resistance 100% RH 2,000 hrs : ASTM D2247 100% RH 3,000 hrs : ASTM D2247	HDG/Galvalume®- No field blisters and no loss of adhesion Aluminium—no field blisters or loss of adhesion
	Salt Spray Resistance 2000 Hrs: ASTM B 117 4000 Hrs: ASTM B 117	HDG or Galvalume®: less than 2mm scribe creepage, no field blisters. Aluminium: less than 2mm scribe creepage, no field blisters.
	South Florida Exposure  ASTM D 2244 ASTM D 4214	Colour: No more than 5Δ Hunter units at 20 Years Chalk: Rating no less than 8 at 20 Years Film Integrity: 20 Years
	Abrasion resistance: ASTM D 4060-95 Weight loss at 500 cycles with CS-10 wheel	<30 mg
	Flame Test ASTM E 84	Class A coating
	Acid/Alkali resistance ASTM D 1308 5% Hydrochloric Acid Solution 5% Sodium Hydroxide Solution	Pass 24 hrs  No discolouration and blisters No discolouration and blisters
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRAFLON Coil Coating System



## Brilliant and Vivid Colours

Ultraflon coatings are premium Fluoropolymer coatings based on proprietary Lumiflon® FEVE resin allowing high durability in bright colours which are difficult in PVDF system. They can achieve high gloss levels upto 80 units and maintain consistently over service life.

### Benefits

Ultraflon coatings provide a number of unique benefits including:

- outstanding colour retention in bright colours
- Excellent dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability
- 20 years standard warranty for film adhesion, colour and chalk

### Colors

Ultraflon coatings are available in a wide spectrum of exotic colours, metallic, pearlescent and sparkle finishes.

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume
- Aluminium

## End uses:

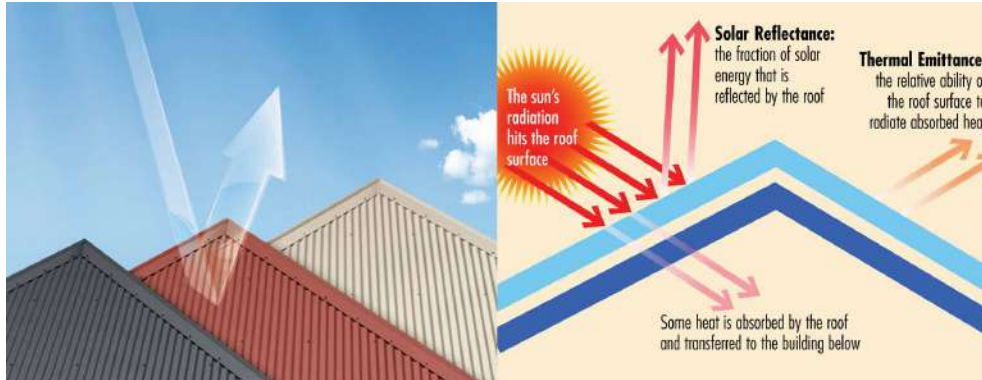
Ultraflon coatings are ideal for long-life external use on premium commercial and residential buildings including:

- Architectural and residential metal roofing system
- Wall panels
- Composite panels and column cover.
- Restaurant establishments, brand retail outlets and gas stations.
- Canopies, doors and other exterior metal panel systems.

# ULTRAFYLON Coil Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Specular Gloss at 60° ASTM D523	Typical 30-80 units
	Surface Appearance	Smooth
	Pencil Hardness ASTM D3363	F-H
	Flexibility T-Bend ASTM D 4145	1T-2T with no cracking and loss of adhesion
	Adhesion: Impact ASTM D 2794	Aluminium: 1.5x metal thickness inch-pounds, no loss of adhesion
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	QUV-B Resistance ASTM G53 Chalk ASTM D 659 Colour Retention ASTM D 2244	2000 hrs, Gloss retention>85% Min.8 DE≤3 for light colours and DE≤5 for medium colours
	Humidity Resistance 100% RH 2,000 hrs : ASTM D2247	Aluminium—no field blisters or loss of adhesion
	Salt Spray Resistance 3000 Hrs: ASTM B 117	Aluminium: less than 2mm scribe creepage, no field blisters.
	South Florida Exposure ASTM D 2244 ASTM D 4214	Colour: No more than 5Δ Hunter units at 20 Years Chalk: Rating no less than 8 at 20 Years Film Integrity: 20 Years
	Abrasion resistance: ASTM D 4060-95 Weight loss at 500 cycles with CS-10 wheel	<70 mg
	Flame Test ASTM E 84	Class A coating
	Acid/Alkali resistance ASTM D 1308 5% Hydrochloric Acid Solution 5% Sodium Hydroxide Solution	Pass 24 hrs No discolouration and blisters No discolouration and blisters
	Substrate**	Aluminium/HDG/Galvalume®

# ULTRAREFLECT Coil Coating System



## Designed to be Cooler

UltraReflect coatings are specially designed with reflective and durable pigments in our proprietary superdurable/PVDF system to offer high solar reflectance and thermal emittance, thus meeting stringent SRI values as per LEED criteria for buildings. This allows substantial saving to building owners consistently over service life

### Benefits

UltraReflect coatings provide a number of unique benefits including:

- outstanding colour retention in service life
- Excellent dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability
- High total Solar reflectance
- Lower roof and wall temperatures

### Colors

UltraReflect coatings are available in a wide spectrum of solid colours, metallic and pearlescent finishes.

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume
- Aluminium

## End uses:

UltraReflect coatings are ideal for long-life external use on premium commercial and residential buildings including:

- Architectural and residential metal roofing system
- Wall panels
- Composite panels and column cover of premium commercial buildings
- Canopies, doors and other exterior metal panel systems.
- Shopping complex and Indoor stadiums
- Residential & Industrial metal building in high temperature areas

# ULTRAGLITZ Coil Coating System



## Designed to Impress

UltraGlitz coatings are specially designed with metallic/pearlscint/Glass flakes pigments to give special effects to coatings. This allows modern day architects to design façade for premium buildings in new way. These effects are assured with our durable resin system to keep building sparkling during service life.

### Benefits

UltraGlitz coatings provide a number of unique benefits including:

- outstanding colour retention in service life
- Excellent dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability

### Colors

UltraGlitz coatings are available in a wide spectrum of special effects on various colour base.

### Substrates

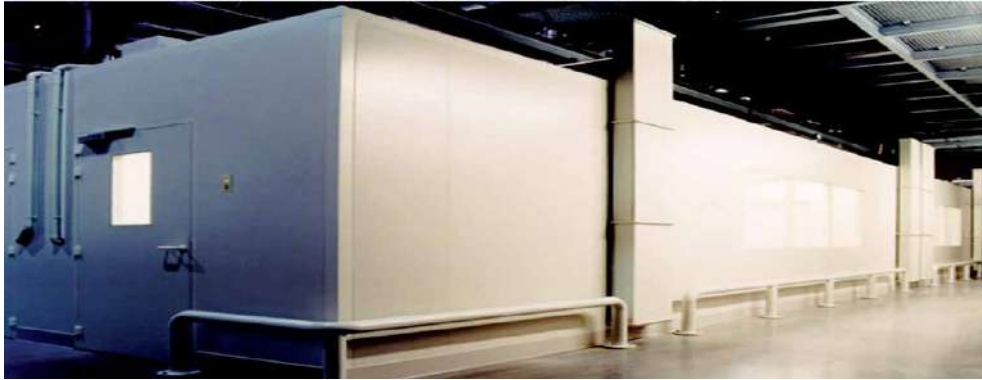
- Hot-Dip Galvanized (HDG)
- Galvalume
- Aluminium

## End uses:

UltraGlitz coatings are ideal for long-life external use on premium commercial and residential buildings including:

- Wall panels
- Composite panels and column cover of premium commercial buildings
- Canopies, doors and other exterior metal panel systems.
- Signature façade for entrance and unique design in a premium building

# ULTRAGUARD Coil Coating System



## Designed to be Hygienic in Use

UltraGuard Anti microbial coatings are especially designed to maintain hygienic surface over service life where it is prime importance to avoid any bacterial growth. The performance is achieved through proprietary technology based on speciality additives to give high kill rate for E.Coli and Staphylococcus aureus bacteria on coating surface. The property is duly certified as per ISO 22196:2011 and test results as per JIS Z 2801: 2000.

### Benefits

UltraGuard coatings provide a number of unique benefits including:

- Anti Microbial property
- Excellent overall adhesion
- Great flexibility and formability
- High kill rate for E.choli & Staphyaureous bacteria
- Clean appearance

### Colors

UltraGuard coatings are available in limited white and off white colours

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume
- Aluminium

## End uses:

UltraGuard coatings are ideal for use on premium commercial and residential buildings including:

- Panels for food and dairy industry
- Wall panels for pharmaceutical industry
- Panels for school and hotel buildings



# ULTRAPRIM Coil Coating Primer System



## Designed to Protect

UltraPrim primer series are specially designed with different resins having good adhesion with metal substrate and offers excellent corrosion resistance when combined with suitable pigments. The design takes care of various topcoat chemistry and end application as per forming operations, environment and service life. We at spectrum truly believe that primer is very important layer for overall performance of coating system in natural environment and hence utmost care is taken in design and recommendation to coaters

Primer Name	Category	Key Benefit
UltraPrim-Poly	Standard polyester	Chromated and excellent corrosion resistance
UltraPrim-Poly-CF	Standard polyester	Chrome free and ROHS compliant
UltraPrim-Urethane	Standard PU	Excellent flexibility and superior corrosion resistance
UltraPrim-Fluoro	Fluorocarbon	PVDF Primer for PVDF metallic/mica topcoats
UltraPrim-High Build	Modified PU	High flexibility (OT) and high build upto 30u for outstanding corrosion protection in aggressive environment.

# ULTRABACK Coil Coating Backer System



## Designed to Support

Backing coats in coil coating play important role as they are subjected to profiling operations and most importantly foaming to make sandwich panel used in roof and wall for insulation benefit. Our backer series Ultraback provides various options to coaters to decide suitable type of backer. We have tested our backers for foam adhesion and scratch resistance to ensure trouble free formation process.

Backer Name	Category	Key Benefit
UltraBack-Poly	Standard polyester	Higher scratch resistance and hardness for critical forming. Not suitable for sandwich panels
UltraBack-Epoxy	Standard Epoxy	Excellent foam adhesion and good for sandwich panels
UltraBack-Urethane	Standard PU	Excellent foam adhesion and flexibility during forming
UltraBack-Hybrid	Epoxy- Polyester Polyester-PU	Good adhesion with foam and excellent scratch resistance. Higher coverage

# Product portfolio for Extrusion Coatings

# ULTRASPAR Extrusion Coating System



## Outstanding Toughness

Ultraspas is Kynar500® FSF® PVDF resin based spray coatings especially designed to give protection to aluminium extrusion profiles, louvres and other sections to delight architects to meet stringent criteria of AAMA-2605. It combines strength of PVDF resin in min 70% along with high performance pigments to maintain outstanding colour, chalk resistance.

### Benefits

Ultraspas coatings provide a number of unique benefits including:

- Outstanding colour retention
- Excellent dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability
- Upto 20 years standard warranty for film adhesion, colour and chalk

### Colors

Ultraspas coatings are available in a wide spectrum of exotic colours, metallic and pearlescent finishes.

### Substrates

- Aluminium

## End uses:

For use on monumental curtain walls, panels, column covers, skylights, louvers, windows, storefronts, or other architectural applications where high performance finish is desired.

# ULTRASPAR Extrusion Coating System

DATA	PERFORMANCE SPECIFICATIONS	PRODUCT PERFORMANCE
TECHNICAL DATA	Industry Specification	Meets or exceeds AAMA-2605
	Surface Appearance	Smooth
	Pencil Hardness ASTM D3363	F-H
	Adhesion: Cross Hatch ASTM D 3359	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal
	Solvent Resistance ASTM D 5402	> 100 MEK rubs
	Humidity Resistance 100% RH 4,000 hrs : ASTM D2247	Aluminium—no field blisters (Rating-8 ASTM D 714) or loss of adhesion
	Salt Spray Resistance 2000 Hrs: ASTM B 117	Aluminium: less than 2mm scribe creepage, no field blisters.
	South Florida Exposure  ASTM D 2244 ASTM D 4214	Colour: No more than 5Δ Hunter units at 10 Years Chalk: Rating no less than 8 at 10 Years Film Integrity: 20 Years
	Flame Test ASTM E 84	Class A coating
	Acid/Alkali resistance ASTM D 1308 5% Hydrochloric Acid Solution 5% Sodium Hydroxide Solution	Pass 24 hrs  No discolouration and blisters No discolouration and blisters
	Substrate**	Aluminium

# ULTRASPAR Extrusion Coating System

BRAND LINE	PRODUCT CATEGORY	MARKET SEGMENT	KEY DIFFERENTIATOR
ULTRASPAR	SPRAY KYNAR PVDF	Aluminium extrusions for premium residential and commercial buildings	Excellent durability in harsh environments
ULTRAFLO	SPRAY LUMIFLO FEVE Topcoat	Aluminium extrusions for premium residential and commercial buildings	Durability for bright colours not possible in PVDF
ULTRAPRIM - URETHANE	POLYURETHANE-CHROMATED	Aluminium extrusions for premium residential and commercial buildings	Excellent Flexibility and corrosion resistance
ULTRAPRIM - FLOURO	FLOURO PRIMER WHITE	Aluminium extrusions for premium residential and commercial buildings	For PVDF Topcoat with special effect
ULTRATHIN	DILUTING THINNER	Aluminium extrusions for premium residential and commercial buildings	No irritation, good cutting power
ULTRATHIN	DILUTING THINNER	Aluminium extrusions for premium residential and commercial buildings	No irritation, good cutting power

## PRETREATMENT: CHROMATE or NON-CHROMATE Coating System

### • SOLID COLOUR

Method of baking	Coating system	D.F.T	Baking Condition; P.M.T
2-COAT 1 BAKING	PRIMER	5-7µm	Flash off
	TOP	25-30 µm	232°C X 5-10 mins

### • METALLIC COLOUR

Method of baking	Coating system	D.F.T	Baking Condition; P.M.T
3-COAT 2 BAKING	PRIMER	5-7µm	Flash off
	TOP COAT	25-30 µm	232°C X 5-10 mins
	CLEAR COAT	10-15 µm	232°C X 5-10 mins
3-COAT 1 BAKING	PRIMER	5-7µm	Flash off
	TOP	25-30 µm	Flash off
	CLEAR	10-15 µm	232°C X 5-10 mins

# Can Coatings



These coatings are specially designed to meet stringent forming process of tin and aluminium cans meeting regulatory standard for food items and perform over variety of types. Spectrum has established reputation of quality supplier in short time and gained trust of our esteem customers through coatings for general and food cans in most effective manner. We believe that this market is growing steadily and our coatings will play crucial role in protecting millions of cans. Our coatings will ensure big brands can trust that the end customer will use safe and healthy products. We have product approvals from SQTS and locally from California gardens. Our commitment towards quality is never ending and an important pillar in our growth journey.

We have developed coatings for segments like Industrial cans and pails, Food cans, Caps and can ends, Speciality cans like DRD etc. We have focused research and development program to ensure that all prospective areas of metal packaging market are covered in near future.

Our local clientele include names like EMIC, Crown cans (Hassani Group), MEMC and Gulf Cans. All have established name in can making industry for years. We have deep gratitude towards our customers who believed in our capabilities and allowed us opportunity to establish our coatings on their line.

You find our coatings everywhere. In cans, bottles, pails, lids, caps, tubes...hardly a day goes by when our coatings aren't an important part of your life. For us, that responsibility drives everything we do and inspires us to meet all of our customers' needs.



# Can Coating Product Segments



## Food Can Coatings

Coatings for the interior and exterior of two-and three-piece food cans, including easy open ends (EOE) internal and external systems, shallow and deep draw cans.



## Cap and Closure Coatings

Coatings for the interior and exterior of all types of closures including lug, continuous thread, baby food closures, Roll on pilfer proof caps (ROPP)



## Aerosol and Specialty Can Coatings

Coatings for the interior and exterior of aerosol, paint and specialty cans (such as trays, tins and oil cans) for food, household and personal care products.



## Drum and Pail Coatings

This product line includes conventional, high solids, technologies to meet manufacturers' specific food and non-food requirements for steel drums, pails, closing rings, flanges and plugs.

SEGMENT	PRODUCT CATEGORY	PRODUCT CODE	MARKET SEGMENT	KEY DIFFERENTIATOR
Can External	Polyester White basecoat	SCC1210-305	3 PC General & Food cans for chemicals, oil, paints, milk powder etc.	Good UV ink adhesion and sterilization
Can External	Acrylic Over print varnish	SCC1210-106	3 PC General & Food cans for chemicals, oil, paints, milk powder etc.	Good gloss over inks, non-yellowing properties and sterilization
Can External	Flexible Polyester white Basecoat	SCC6210-303	2PC DRD Food Cans for tuna, beans etc	High flexibility and levelling
Can External	Flexible overprint varnish	SCC8210-107	2PC DRD Food Cans for tuna, beans etc	Good gloss over drawing areas
Can External	Flexible Polyester Gold Basecoat	SCC6210-211	Twist off caps	High flexibility
Can External	Flexible Polyester white Basecoat	SCC6210-304	Twist off caps , Crowns, PPRO Caps	High flexibility and UV Ink adhesion
Can External	Flexible Polyester Non-Varnish Gold	SCC6220-216	Twist off caps	No need of varnish, good recoatability
Can External	Flexible overprint varnish	SCC6210-117	Twist off caps , Crowns, PPRO Caps	Good gloss, flexibility and scratch resistance
Can External	Non Varnish Acrylic White/Black	SCC2220-302	3PC pails and pail lids	Good gloss, recoatability and scratch resistance
Can External	Epoxy Phenolic Gold Lacquer	SCC2240-215	3PC can body and ends	Available in various tones and good seaming properties
Can External	EoE Lacquer	SCC8210-103	EOE external	Good scratch and sterilization
Can External	Epoxy Clear Lacquer	SCC2240-104	3PC can body and ends	Good seaming properties
Can Internal	Epoxy Buff Lacquer (Non-FDA)	SCC2240-506	3PC can body and ends	Water based paints, chemicals
Can Internal	Epoxy Buff Lacquer (FDA)	SCC1140-508	3PC can body and ends	Tomato paste, Milk products etc
Can Internal	Epoxy Phenolic Gold Lacquer (Non-FDA)	SCC2240-215	3PC can body and ends	One product for internal and external use
Can Internal	Epoxy Phenolic Gold Lacquer (FDA)	SCC1140-202	3PC can body and ends	Edible oil, Ghee, fruit pulp etc
Can Internal	Epoxy Internal White	SCC1140-301	3PC can body and ends	Milk products, Tomato paste, beans good product resistance
Can Internal	Aluminized Lacquer	SCC8140-701	DRD Cans	Safe for Tuna fish and other food items



## Markets and Segments

Our products are servicing the construction and packaging industries in the Middle East and export locations such as India and Africa.

Our products are an integral part of designing steel roofing and cladding, aluminium panels for façade, column covers, Louvres etc. We are associated with projects of repute like Dubai Airport, Dubai Metro, IKEA warehouse, Al Maktoum airport to name a few.

Aluminium extrusion coated with our Kynar PVDF paint are supporting many monumental buildings like Sheikh Zayed Grand Mosque, ADNOC, world trade centre and Dubai airports.

Can coatings supplied by us protecting millions of cans used for food packing and general industrial products ensuring long term freshness of packed products.



## Manufacturing & Logistics Infrastructure

Spectrum Industries have a state of art manufacturing facility located in Dubai Investment Parks, United Arab Emirates. The installed capacity of the plant is 10,000 Tons annually with a capability to produce order sizes from 50 Kgs to 10,000 Kgs in one batch. The plant is designed to cater to customer requirements quickly and we boast of having one of the fastest delivery time in our region. We have our own fleet of trucks to ensure delivery on time and even in odd hours to make customers not loose precious time for any project delivery. We are located close to Jebel Ali port to ensure quick dispatches to export customers.

We have also established on-site paint mixing plants at customer's premises to promote paint management concept and offer the best in class services. One such plant is located in Dubai Industrial City at United Metal Coating premises. This is a state of art mixing plant made by Dromont, Italy with paint making capacity of 5000 tons annually. Another plant is located in Jammu, India at Alstrong Industries premises catering to quality aluminium composite panel market. This is designed to make on site paint for a variety of colours in small batch sizes thus giving marketing edge to our customer.

Looking at progressive growth, our plans include building a new greenfield state of art paint manufacturing plant in the near future.



## Research and Development Infrastructure

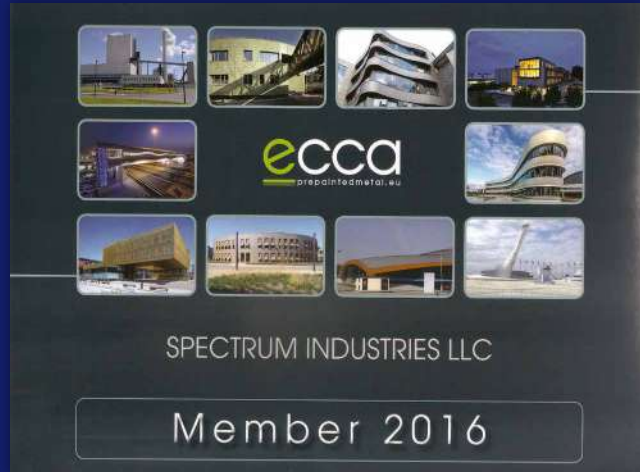
To support our continuous growth journey and future plans, R&D function is a key pillar. We have made a world class laboratory with full range of instruments needed to support the business and customers. We have a team of paint technologist and qualified technicians to work on new products and reengineering of products.

The management firmly believes that quality of people in research is very important and hence most of the staff are engineers from reputed universities.

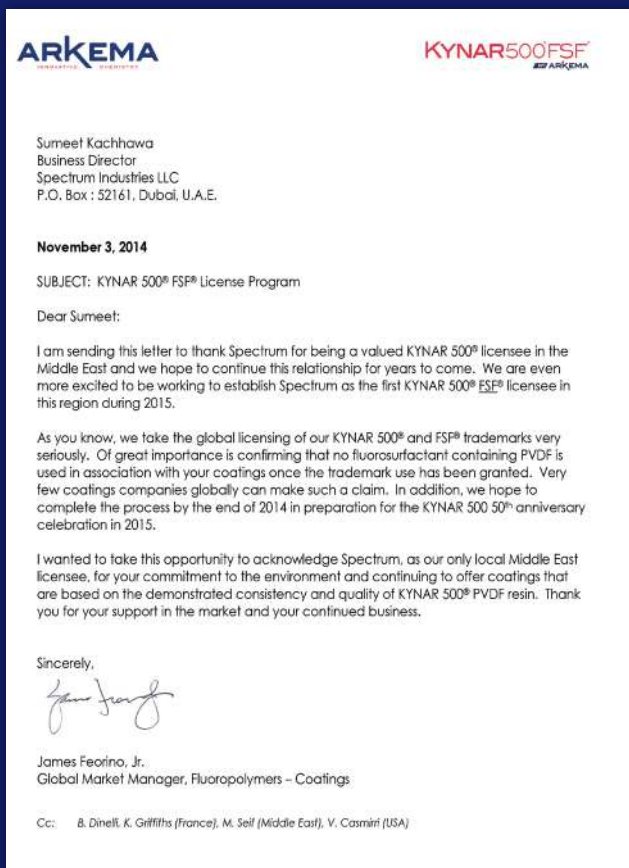
# Certificates and Appreciations



Kynar License Certificate



ECCA Certificate



Arkema Appreciation Letter



ISO Certificate

# Some of our Major Projects with Kynar 500 FSF Coatings

## Airports



Dubai Airports New Concourse



Salalah Airport, Oman



Riyadh Airport, K.S.A

## Stadiums



King Abdullah Sports City Riyadh, K.S.A



Noida Cricket Stadium, India



Commonwealth Games Stadium,  
New Delhi

## Hotels



Intercontinental, Dubai



North Byron Bay Resort, Australia



Novotel, Dubai

## Universities



Al Ain University, Al Ain



Zayed University, Abu Dhabi



Singapore Polytechnic, Singapore

## Amusement Park



IMG World, Dubai



Bollywood Park, Dubai



Legoland, Dubai

## Industries



Al Ghurair Iron & Steel, Abu Dhabi



Maaden Aluminium, K.S.A



Mirfa Power Plant, U.A.E



## Government Bodies



Dubai Police HQ

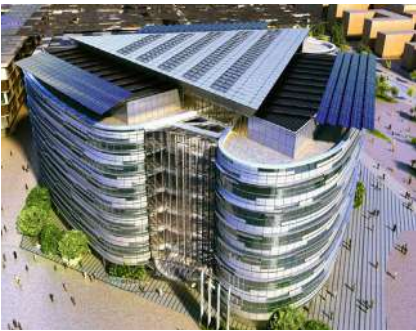


ADNOC Institute, Abu Dhabi



Indian Oil Petrol Stations, India

## Commercial Building



Masdar HQ, Abu Dhabi



Beach Tower, Abu Dhabi



The Vision Tower, Dubai

## Residential Buildings



Executive Bay Tower, Dubai



Capital Tower, Dubai



Abcco Tower, Sharjah

## Hospitals



Al Zahra Hospital, Dubai



Mafraq Hospital, Abu Dhabi

## Stations



Dubai Metro Stations



Riyadh Metro

## Iconic Buildings



Sheikh Zayed Mosque, Abu Dhabi



**Disclaimer on product data sheet:**

All substrates must be properly pretreated. ASTM means American society for Testing and Materials. Not designed to bridge cracks in the substrate. Varies by color. Our coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility. Galvalume® is registered trademark of Bluescope steel.

For details and health, Safety and handling information, Material Safety Datasheet (MSDS) are available on request.

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