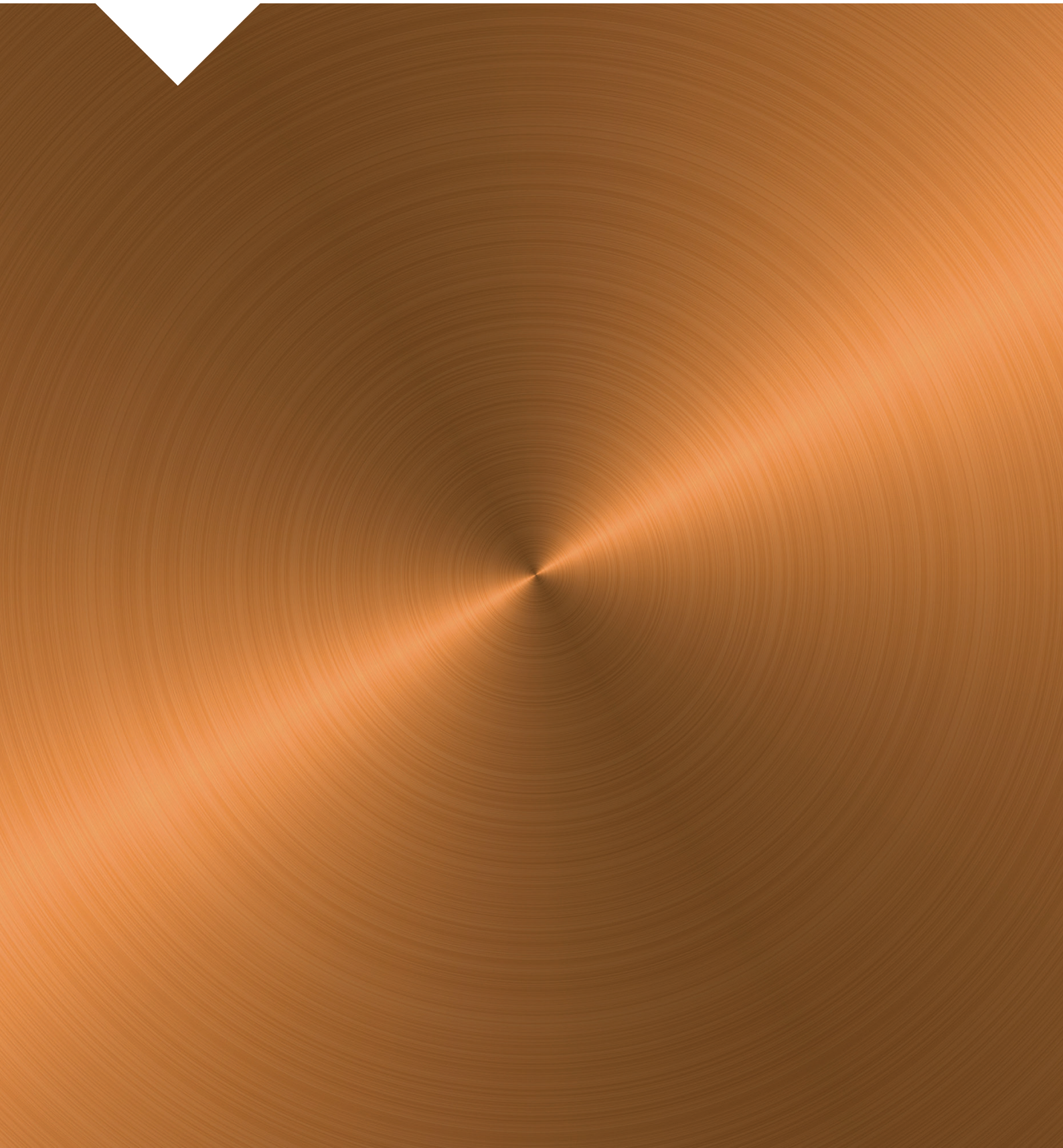


ALUMINUM FINISHING
SPECIFIC COLOR SOLUTIONS



ALUMINUM FINISHING SPECIFIC COLOR SOLUTIONS



Sudarshan provides a wide range of colorants and process chemicals as well as global technical service. With more than 50 years of experience in the production of dyes and chemicals for finishing anodized aluminum, all core products feature Swiss quality and meet highest quality requirements.

All of Sudarshan's state-of-the-art productions sites comply with the latest and most stringent safety and environmental regulations. And with our technical customer service around the globe, we ensure close proximity to our customers and deliver industry leading and best-in-class sustainable color solutions to brighten the lives of every customer, wherever they are located.

QUALITY PRODUCTS FOR ANODIZED ALUMINUM

Sudarshan manufactures a comprehensive range of dyes and chemicals, many of which had been patented. In 2009 the Sanodye grades were introduced, which do not contain heavy metals as structure element. Sudarshan is continuously working on the development of improved products to cover a wide spectrum of economic (energy efficiency) and environmental challenges with its products.

The manufacturing of Sudarshans dyes involves multistep synthesis and utilizes many different process technologies. Precision, cleanliness and attention to detail are key components to provide top class products into the markets. Sudarshan offers technical customer service for all process steps, including on-site production & operation support, tailor made solutions and workflow optimization.

Sudarshan together with its exclusive partners Omya and Reliant prepare recommendations for colorants, chemicals and process parameters based upon complex requirements. Wherever the anodizing industry is located, Sudarshan and its partners offer comprehensive application tests for anodizing, coloring and sealing anodized aluminum out of technical centers located in Asia, Europe and North America.

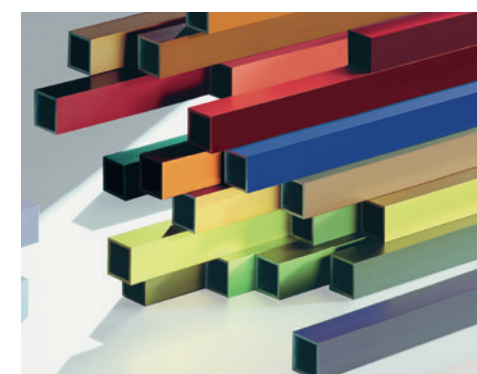
Sudarshan offers several products for anodized aluminum such as dyes, process chemicals and additives.

DYES OUR DYES ARE DIVIDED INTO THREE RANGES



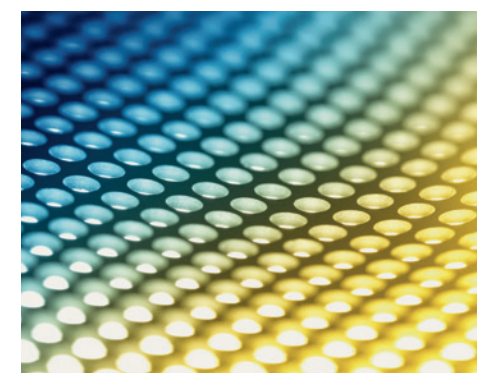
SANODAL®

- Excellent light- and weather fastness properties
- Suitable for outdoor and indoor applications
- Electrolytic dyeing with subsequent adsorptive over-dyeing possible
- Broad shade range accessible
- Designed for many architectural needs



SANODURE®

- Comprehensive range of colors, covering virtually all coloristic needs
- Overall good fade resistant properties
- Designed for indoor applications



SANODYE®

- Heavy metal free structure
- Overall good fade resistant properties
- Designed for interior or outdoor applications as indicated on our technical data sheets

DYE RANGE

SANODAL®, SANODURE® AND SANODYE®

	NAME	MODIFICATION	OUTDOOR	INDOOR	HEAVY METAL FREE STRUCTURE	LIGHT FASTNESS
	SANODYE YELLOW 3GL	Granules	■	■	■	> 9
	SANODAL GOLD 4N	Powder	■	■		> 9*
	SANODYE ORANGE 2B	Powder		■	■	5–6
	SANODURE FAST GOLD L	Granules		■		7–8
	SANODURE ORANGE G	Granules		■		5–6
	SANODYE GOLDEN ORANGE RLW	Granules		■		5–6
	SANODURE ORANGE RL	Granules		■		5–6
	SANODURE FAST BRONZE L	Granules		■		7–8
	SANODYE BROWN R	Granules		■	■	5–6
	SANODAL ORANGE 3LW LIQ.	Liquid	■	■		> 9
	SANODAL RED B3LW	Granules	■	■		> 9
	SANODYE RED GLW	Granules		■	■	7
	SANODYE RED RLW	Granules		■	■	7
	SANODURE FIERY RED ML	Granules		■		6–7
	SANODURE BORDEAUX RL	Granules		■		6–7
	SANODURE VIOLET CLW	Granules			■	6–7

* A “First Break” phenomena for ferrioxalate containing dyes is well known and documented in literature:
Those kind of compounds show a fading after a short radiation time which then does not further degrade.

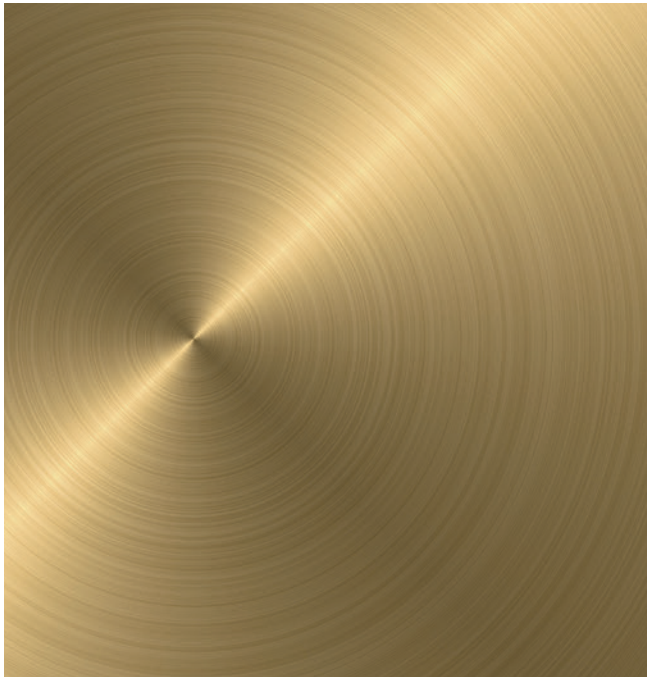
	NAME	MODIFICATION	OUTDOOR	INDOOR	HEAVY METAL FREE STRUCTURE	LIGHT FASTNESS
	SANODYE BLUE 2LW	Granules	■	■	■	> 9
	SANODYE BLUE G	Granules	■	■	■	> 9
	SANODAL TURQUOISE PLW LIQ.	Liquid	■	■		> 9
	SANODAL GREEN 3LW	Granules	■	■		> 9
	SANODURE GREEN LWN	Granules		■		7–8
	SANODURE BROWN GSL	Granules		■		6–7
	SANODURE BRONZE 2LW	Granules		■		7
	SANODURE BRONZE G	Granules		■		6–7
	SANODURE BROWN GL	Powder		■		5–6
	SANODURE YELLOW BROWN 2G	Granules		■		5–6
	SANODURE OLIVE BROWN 2R	Granules		■		6
	SANODURE GREY NL LIQ.	Liquid			■	7–8
	SANODURE GREY HLN LIQ.	Liquid			■	7–8
	SANODAL BLACK 2LW	Granules	■	■		> 9
	SANODAL DEEP BLACK HBL	Paste	■	■		> 8 (12 µm) > 10 (25 µm)
	SANODAL DEEP BLACK H3LW	Paste	■	■		> 8 (12 µm) > 10 (25 µm)
	SANODURE BLACK CRO	Powder		■		3–4 (12 µm) 7–8 (25 µm)
	SANODYE BLACK OA	Granules	■	■	■	> 8
	SANODAL DEEP BLACK MLW GRAN.	Granules	■	■		> 9
	SANODAL DEEP BLACK MLW	Powder	■	■		> 9

ALUMINUM FINISHING

ANODAL® RANGE

PROCESS CHEMICALS AND ADDITIVES

- Comprehensive range of chemical process additives to increase productivity, efficiency and minimize environmental impact
- Anodal chemicals deliver consistent results and constant quality
- Designed to allow our customers to improve their processes and meet changing industry demands
- Tailored to the special needs of our dye ranges (Sanodal, Sanodye, Sanodure)



NAME	MODIFICATION	PROCESS STEP	DESCRIPTION
ANODAL EC-2	Liquid	Etching	Long term etching additive, complexing and leveling additive for high aluminum loads containing etching tanks (>150g/L), specially developed for matt finishing (E6), additionally suitable for zinc containing alloys, no silicate and chlorate added.
ANODAL EE	Liquid	Anodizing	Surface levelling, burning prevention, reduced refrigerating temperature, hard coating.
ANODAL SUAC	Liquid	Anodizing	Additive for the integral coloring process.
ANODAL COLOR S-2	Liquid	Electrolytic coloring	Metal free structure stabilizer for tin sulfate coloring, throwing power trigger, leveling agent.
ANODAL SH-1	Liquid	Sealing	Anti-smutting, hot water sealing additive (>96°C).
ANODAL SH-2	Liquid	Sealing	Anti-smutting, mid-temperature sealing additive (82–90 °C).
ANODAL ASL	Liquid	Sealing	Anti-smutting, hot nickel sealing additive (>96 °C).
ANODAL MS-2	Liquid	Sealing	Anti-smutting, nickel containing sealing additive, mid-temperature nickel sealing (75–85 °C).
ANODAL WL SPEC.	Liquid	Sealing	Additive recommended for sealing baths to improve haptic properties "soft touch" and scratch resistance.
ANODAL WT-1	Liquid	Waste water treatment	Flocking additive for removal of dissolved dyestuff.



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Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets (MSDS) which include relevant safety precautions for handling and storage, are available upon request and are provided in accordance with applicable legal requirements. Users are advised to obtain and review the relevant MSDS prior to handling any product. Users shall bear sole responsibility for determining the suitability of our products for their intended applications whether or not the end application is known to us.

As the performance of colorants is influenced by factors like additives, polymers, and processing conditions, customers are strongly advised to conduct their own testing to verify suitability in end-use applications. Any deviation from recommended usage or processing conditions may adversely affect product performance and results. (Version 1/2026)

Caution: We offer a select range of colorants, some of which are designed to meet regulatory requirements for sensitive application areas such as cosmetics, personal care applications, food packaging materials, toys and others. In such sensitive applications, only products designated for these applications should be used. We do not recommend that any of our products are used in sensitive applications which may come in contact with internal body organs or body fluids. For additional information, please contact us. (Version 1/2026)

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