

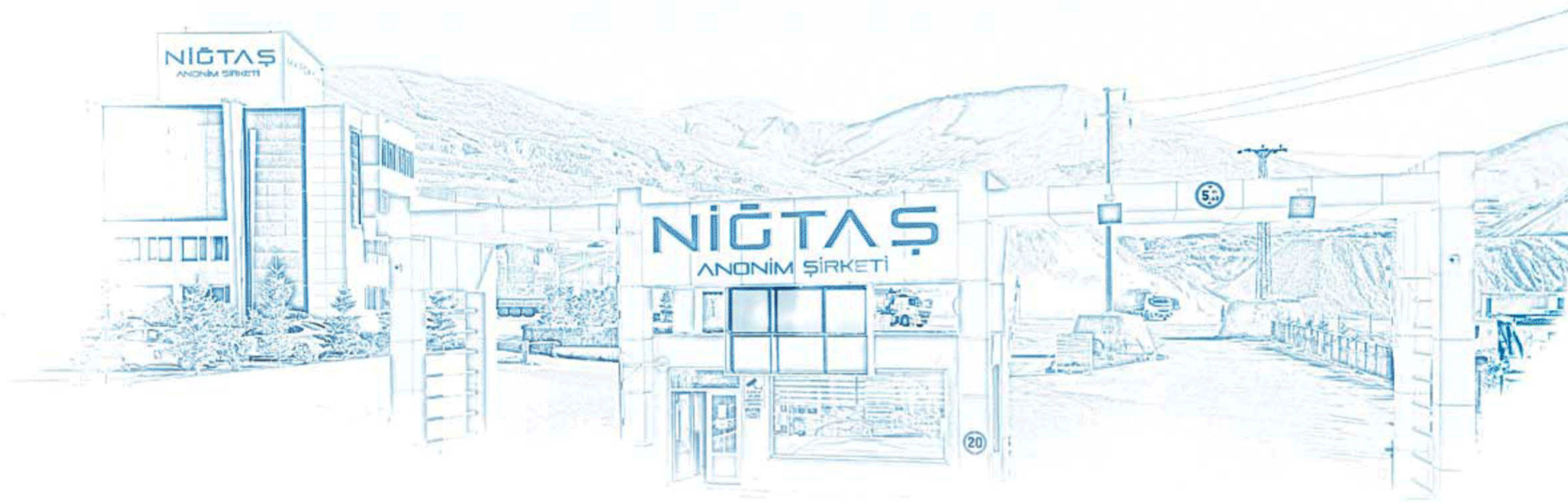
SOLUTION
PARTNER
IN INDUSTRIAL
MINERALS



nigtas.com

NATURE - FRIENDLY

We offer the values we take from nature to nature again.



A GLOBAL BRAND IN SPECIALTY MINERALS INDUSTRY WITH 40 YEARS OF EXPERIENCE

Nigtas is located in the southern part of Turkey. Founded in 1986 and currently operating all over the world, Nigtas is a leading specialty mineral manufacturer in the world. Our reserves have a very important place in our region and in the world. Today, Nigtas is one of the most innovative suppliers of specialty minerals in the market with its broad portfolio of mineral solutions.

Our mission is to operate our high quality reserves in a sensitive manner to people, society and nature, to create sustainable value with innovative technologies. We also aim to offer our products to the whole World within the framework of our sustainable development policy, with contemporary solutions from source to customer.



FROM THE PUREST RESOURCES IN THE NATURE

We have mining resources that are enough for hundreds of years.
Our high purity minerals give superior properties to all applications.



HIGH TECHNOLOGY

We combine minerals and quality with our highly effective industrial assets

ON TIME

With our best-in-class operations, we deliver our products
to the right locations on time.



STABILIZED EXCELLENCE IN QUALITY

Quality is always our priority to ensure that we are capable of meeting ever-evolving customer needs in the best possible way. We control every stage of the process manufacturing with our experienced staff and strong industrial assets. ISO 9001, ISO 45001 and ISO 14001 certifications approved by BSI (British Standard Institute) show the success of our quality policy.



WE CREATE SUSTAINABLE VALUE FOR SPECIALTY MINERALS



Our R & D team is in constant communication with the market to provide on-site technical advice for customer needs and expectations. Based on these feedbacks, we strive to develop new products that bring solutions to market requirements. In many cases, we also produce tailored technical products that meet customer requirements. In this process, we receive consultancy from academicians at the university. In this way, we provide a scientific perspective to our R & D activities.

COATING APPLICATIONS

Using high purity raw materials and technological production assets; we produce specialty minerals used in coating industry with excellent particle size distribution properties and chemical purity.

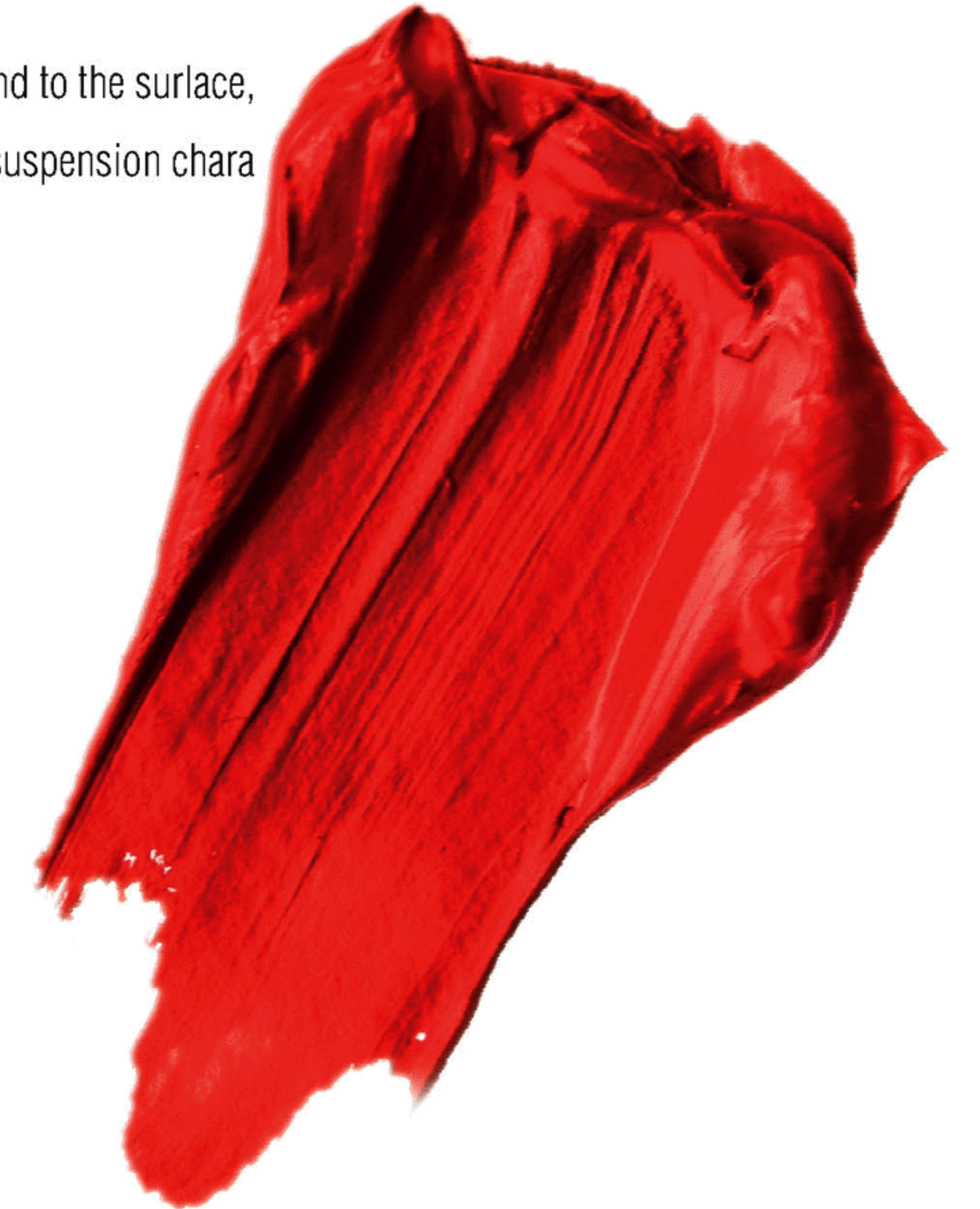
ADVANTAGES OF CALCIUM CARBONATE IN THE COATING INDUSTRY

Calcium Carbonate;

- Improves the hiding power because it has a suitable grain distribution curve,
- Provides bright color tones,
- Enables the production of emulsion paints with high scrub resistance due to its low oil absorption property,
- Controls viscosity,
- Increases opacity due to high whiteness.
- Provides a smooth film surface.

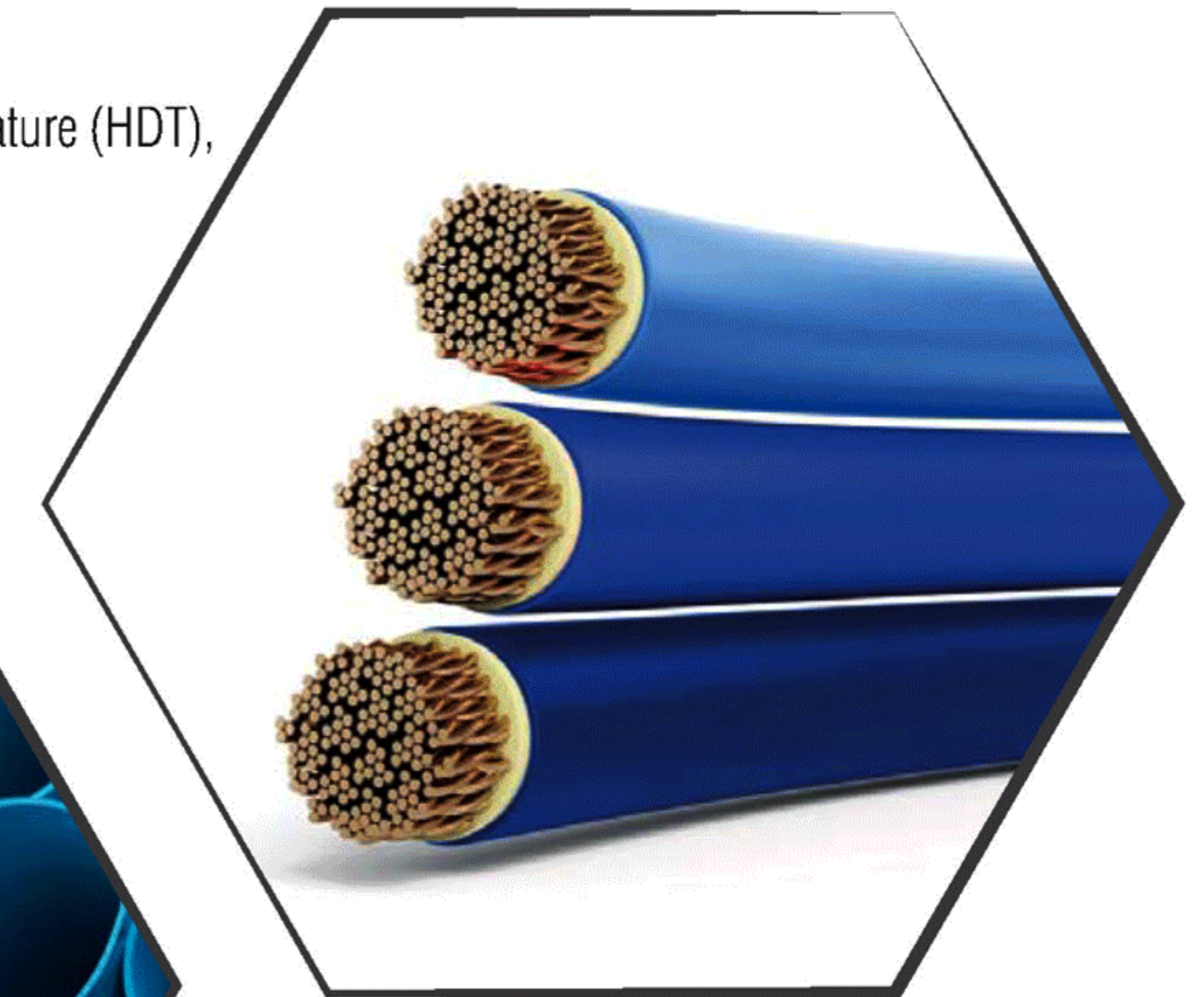
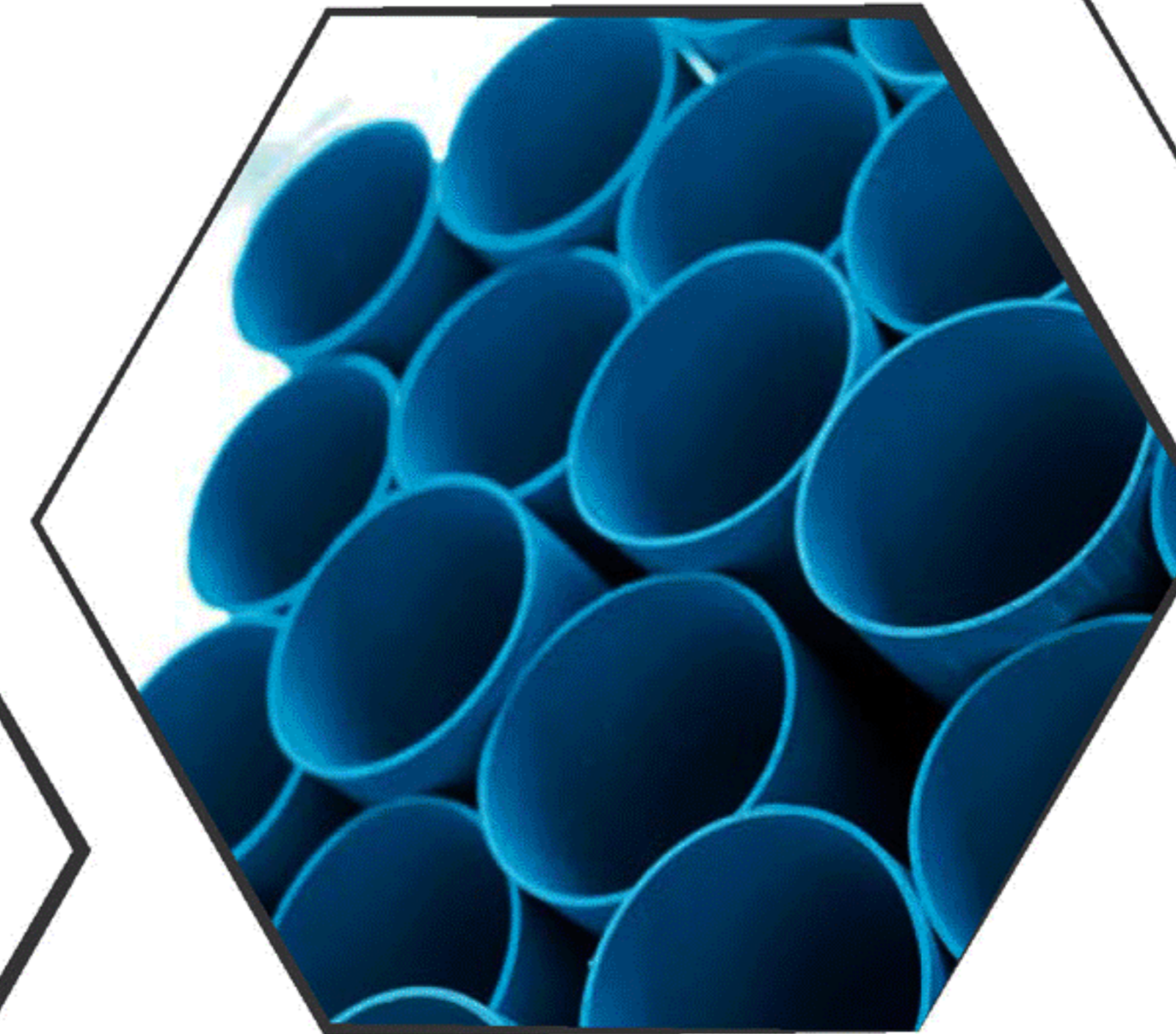
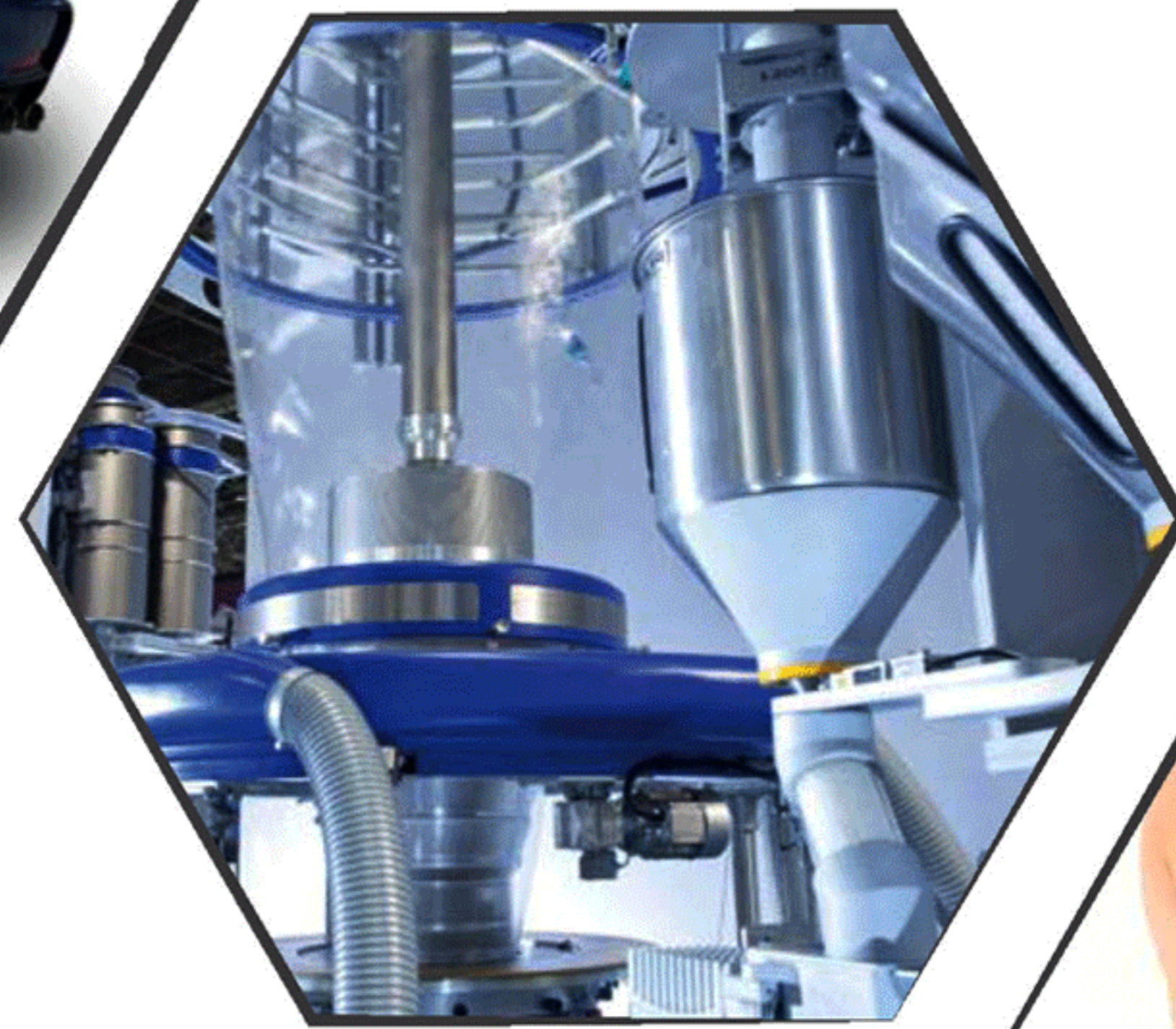
ADVANTAGES OF TALCUM POWDER IN THE COATING INDUSTRY

Talc lamellas ensures that the paint layers are clamped to each other and to the surface, Talcum Powder also prevents film paints from leakage, and improves suspension chara



POLYMER APPLICATIONS

Our raw materials can be used as additive or high performance filling materials in a wide range of applications.



ADVANTAGES OF CALCIUM CARBONATE IN THE POLYMER INDUSTRY

Calcium Carbonate;

- Improves the strength properties,
- Regulates the viscosity of the polymer,
- Provides pigment saving,
- Provides a brighter and smoother surface formation,
- Reduces costs.



ADVANTAGES OF TALCUM POWDER IN THE POLYMER INDUSTRY

Talcum Powder;

- Improves Flexural modulus and Heat Deflection Temperature (HDT),
- Provides good dimensional stability,
- Provides excellent stiffness/impact balance.

ADVANTAGES OF DESICCANT MINERALS IN THE POLYMER INDUSTRY

100 g Hidrofil/ Hidrofil-K can absorb about 27 g moisture, it also;

- Provides excellent smooth film surface formation with its unique particle size and dispersion,
- Prevents gas formation in extrusion process,
- Prevents blisters and porosity in plastic and rubber products.

PAPER&CARDBOARD APPLICATIONS

With our high quality industrial assets, incomparable technological and industrial processes and innovative solutions, we strive to support our customers in developing the most cost-effective paper or cardboard products that meet their product requirements.



ADVANTAGES OF CALCIUM CARBONATE IN THE PAPER&CARDBOARD INDUSTRY

Calcium Carbonate;

- Provides less cellulose consumption. Consequently, it has the advantage of using less optical whitener,
- Gives whiteness and brightness to the paper,
- Reduces the usage of optical whitener,
- Provides less wear in paper machines and forming fabrics,
- Increases the opacity of the paper,
- Ensures dimensional stability of the paper.

ADVANTAGES OF TALCUM POWDER IN THE PAPER&CARDBOARD INDUSTRY

Talcum powder;

- Improves the smoothness of paper thanks to its laminar structure,
- Absorbs impurities from the process such as resin particles thanks to its organophilic properties,
- Prevents agglomeration and increases the machine operability
- Reduces dye consumption and two-sidedness of colored paper, thus ensures smooth sheet formation.



CONSTRUCTION CHEMICALS APPLICATIONS

Our products, which are used in construction chemicals applications, not only replace binders as cost reducers, but also function as fillers because they increase bond strength, change rheology and reduce water demand.



ADVANTAGES OF CALCIUM CARBONATE IN THE CONSTRUCTION CHEMICALS INDUSTRY

Calcium Carbonate;

- Reduces binder quantity and costs,
- Improves adhesion strength
- Improves mechanical properties such as sag resistance and rheology
- Shortens drying time,
- Provides high whiteness,
- Facilitates dispersion,
- Has builder property,
- Provides good processability.



SECTORAL MICRONIZED PRODUCT SUGGESTIONS

APPLICATION AREAS	Film X	GLS 926	Eco Pro	Niğtaş 95K	Niğtaş 75K	Niğtaş 65K	Niğtaş 650K	Niğtaş 1K	Niğtaş 2K	Niğtaş 3K	Niğtaş 5K	Niğtaş 95	Niğtaş 75	Niğtaş 65	Niğtaş 650	Niğtaş 1	Niğtaş 2	Niğtaş 3	Niğtaş 5	Niğtaş 5A	Niğtaş 5S	Niğtaş 10A	Niğtaş 100	Niğtaş A100	Niğtaş KA100	Niğtaş 150S		
PVC PROFILE																												
PVC DOOR AND WINDOW HANDLE																												
PVC LAMBRI																												
PVC CLEAN WATER PIPE																												
PVC DIRTY WATER PIPE																												
PVC HOSE																												
PVC SHOES SOLES																												
PVC HARD FOAM																												
PVC SIDEBAND																												
RUBBER SOLES																												
POLYURETHANE SHOES SOLES																												
PVC CABLE																												
FRP COMPOSITE																												
PE COMPOUND (FILM INDUSTRY)																												
PP COMPOUND (BAG INDUSTRY)																												
PVC COMPOUND																												
PVC WICK-PVC GASKET																												
PVC FLOOR COVERING-																												
RUBBER WICK (FOR AUTOMOTIVE DOORS)																												
CAR TIRE																												
RUBBER CAR MATS																												
TPE (THERMOPLASTIC ELASTOMER) COMPOUND																												
SPONGE																												
WATERPROOFING MEMBRANE																												
EPF (EXPANDED POLYSTYRENE FOAM)																												
PLASTIC MAGNET																												
BREATHABLE FILM																												
RAFFIA																												
RECYCLE																												
RECYCLED FRUIT CONTAINERS																												
WASHING MACHINE DETERGENT BOXES																												
POWDER COATING - STATIC																												
MARINE PAINTS																												
WATER BASED INTERIOR PAINTS - CEILING PAINT																												
WATER BASED INTERIOR PAINTS - CHEAP PLASTIC PAINT																												
WATER BASED INTERIOR PAINTS - SEMIMATTE, SATIN, SILICONE PLASTIC PAINT																												
WATER BASED EXTERIOR PAINTS - PAINT+ PRIMER+ PUTTY																												
ROAD LINE PAINTS																												
DECORATIVE PAINTS - EXTERIOR																												
AUTOMOTIVE PAINTS																												
PAPER AND CARTON																												
WALLPAPERS																												
BOBBIN																												
SILICONE AND SEALANT																												
ADHESIVE (GRASS AND RUBBER TILES)																												
GLUE																												
PRINTING INKS																												
LIQUID CREAM CLEANING AGENT																												
POWDER DETERGENT																												
CERAMIC POLISH																												
CERAMIC- PORCELAIN																												
FERTILIZER																												
PLASTER																												
CONSTRUCTION CHEMICALS (ADHESIVE, JOINT FILLER, THERMAL INSULATION PLASTER)																												
FEED ADDITIVE, AGRICULTURAL PRODUCTS																												
DRILLING INDUSTRY																												
ARTIFICIAL LEATHER																												
METAL BASED COMPOSITE																												
ASPHALT PRODUCTION																												
SYNTHETIC MARBLE																												
POLYESTER WALL PANEL																												
PLASTIC EGG BOWL VIOL																												
EGG BOWL VIOL (PAPER)																												
PASTE USED BEFORE PAINT																												
ERASERS																												
CONCRETE PRIMER																												
GLASS PASTE																												

SECTORAL GRANULAR PRODUCT SUGGESTIONS

APPLICATION AREAS	NGE 03	NGE 04	NGES 14	NGE 35	NGE 07	NGES 17	NGE K07	NGE 48	NGE 510	NGE 812	NGE 815	NGE 1015	NGE 1020	NGE 1520	NGE 2025	NGE 2530	GM 10	GM 10T	NG 812	NG 1015	NG 1020	NG 1520	NG 2025	NM1	NM2
CONSTRUCTION CHEMICALS (JOINT, PLASTER, ADHESIVE)																									
CONSTRUCTION CHEMICALS (DECORATIVE PLASTER)																									
JAMB																									
TILE																									
READY-MIXED CONCRETE																									
PLASTER																									
THERMAL INSULATION MATERIALS																									
AQUARIUM																									
ASPHALT PRODUCTION																									
WATER TREATMENT SYSTEMS																									
ANIMAL FEED INDUSTRY																									
FLORISTRY																									
GLASS INDUSTRY																									
DRILLING INDUSTRY																									
SYNTHETIC MARBLE																									
ROAD LINE PAINTS																									

TALC PRODUCTS

PRODUCT NAME	STANDARD PARTICLE SIZE VALUES						STANDARD WHITENESS VALUES				DOP OIL ABSORPTION (gr/100 gr)	LINSEED OIL ABSORPTION (gr/100 gr)
	(Mastersizer 2000)		(Sedigraph)		(Sympatec Helos Rodos)		(Datacolor Elrepho 450x)					
	d50	d97	d50	d98	X50	X97	RY C/2	L	a	b		
	Min	Min	max.	max.	Min	Min	max.	max.				
Niġtalk 2X	4,0 ± 1	11,25 ± 1,25	1,25 ± 0,35	1,25 ± 0,35	2,70 ± 0,70	9,00 ± 1,00	92	97	0,1	1,35	62	52
Niġtalk 5X	6,75 ± 0,75	19,0 ± 2,0	2,15 ± 0,25	8,25 ± 0,45	4,00 ± 0,50	14,50 ± 1,50	92	97	0,08	1,55	52	44
Niġtalk 10X	10,0 ± 1	53,0 ± 5,0	4,0 ± 0,40	22,95 ± 2,15	5,25 ± 0,55	40,50 ± 4,50	92	97	0,02	1,8	43	36

WE PRODUCE MORE THAN 85 MICRONIZED PRODUCTS

Particle size Distiribition (sympatec)	Method	Unit	Calsium Carbonate	Desiccant Mineral	Talc
Particle Distribution	TL.KK.08	μ	from 0,7-126	from 1,25-6,8	-

Particle size Distiribition (sympatec)	Method	Unit	Calsium Carbonate	Desiccant Mineral	Talc
Particle Distribution	TL.KK.08	μ	from 0-150	-	from 3-58

Particle size Distiribition (sympatec)	Method	Unit	Calsium Carbonate	Desiccant Mineral	Talc
Particle Distribution	TL.KK.08	μ	-	-	from 0,9-25,10

Optical Properties	Method	Unit	Calsium Carbonate	Desiccant Mineral	Talc
RY C/2	DIN 6174-Datacolor Elrepho 450x	%	from 93-96,5	min. 89	from 90-95
L Value	ASTM E-313-Datacolor Elrepho 450x		from 97,5-98,5	min. 94	from 95-98

Physical and Chemical Properties	Method	Unit	Calsium Carbonate	Desiccant Mineral	Talc
CaCO ₃	TL.KK.13 XRF Method	%	>99,35	-	-
MgO	TL.KK.13 XRF Method		<0,3	-	>29
SiO ₂	TL.KK.13 XRF Method		z0,1	-	>59
BaSO ₄	TL.KK.13 XRF Method		-	-	-
CaO	TL.KK.13 XRF Method		-	>96	-
Specific Gravity	Literatür Verisi	g/cm ³	2,7	3,34	2,7
Dop Absorption	ISO 787-5	g/100	11-37	-	from 43-62
Oil Absorption	ISO 787-5	g	from 8-21	-	from 35-52
Loss on ignition (@1000°C)	TL.KK.12	%	>43,65	-	<7
Nem	ISO 787-2		<0,3	-	<0.5
Reactivity Time-T60	DIN EN 459-2	min	-	<20	-

MICRONIZED PRODUCTS

WE PRODUCE MORE THAN 35 GRANULAR CALCIUM CARBONATE PRODUCTS

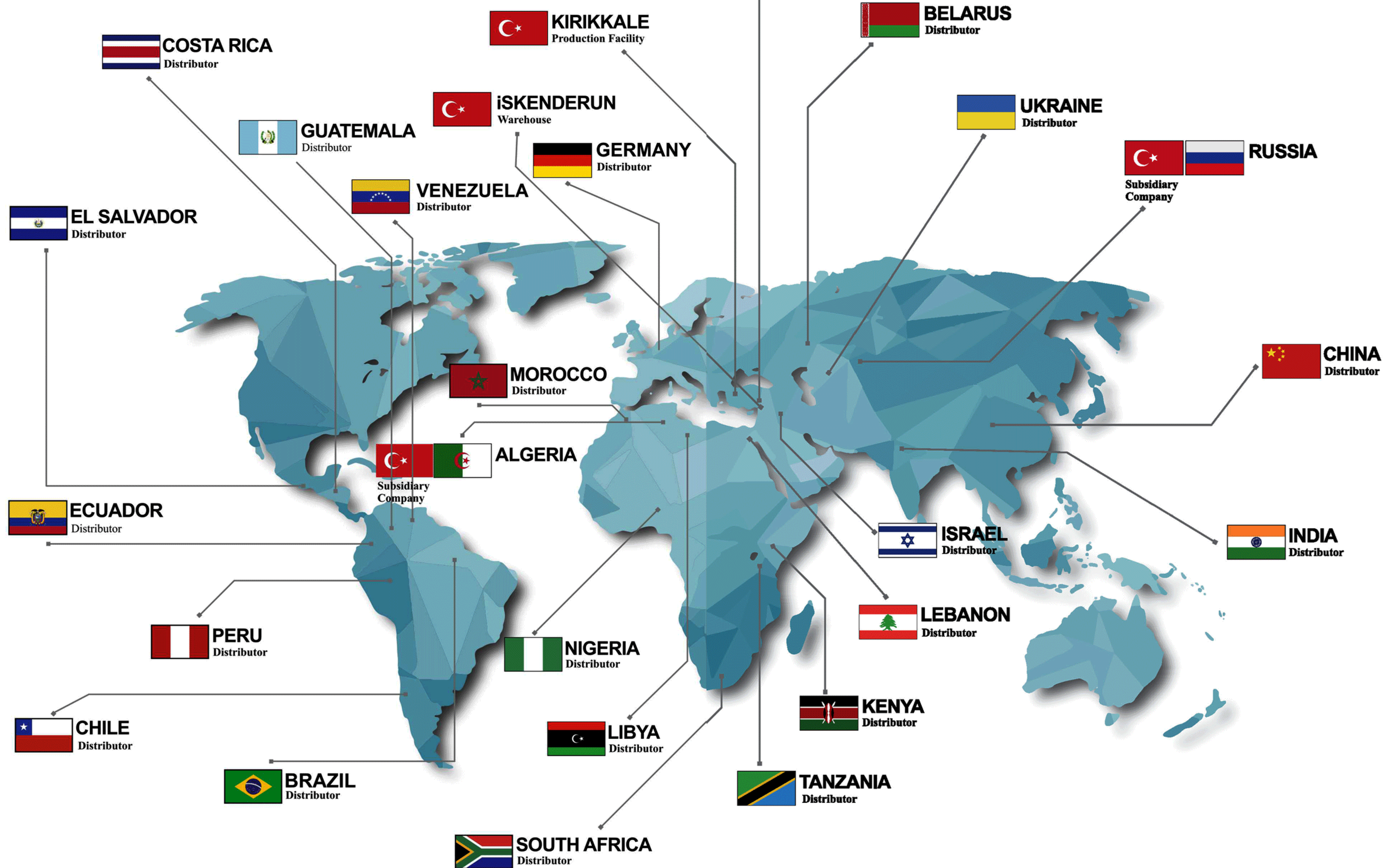
Particle Size Distribution (Sieve Analysis)	Method	Unit	Calcium Carbonate
Particle Size	TL.KK.06	μ	from 0,0-30.000

Optical Properties	Method	Unit	Calcium Carbonate
b Value	DIN 6174-Datacolor Elrepho 450x	%	from 2,0-8,0

Physical and Chemical Properties	Method	Unit	Calcium Carbonate
CaCO ₃	TL.KK.13 XRF Method	%	from 98,0-99,55
MgO	TL.KK.13 XRF Method		<0,5
SiO ₂	TL.KK.13 XRF Method		<0,5
Specific Gravity	Literature data	g/cm ³	2,7
Moisture	ISO 787-2	%	<0,5

GRANULAR PRODUCTS

WE CREATE SUSTAINABLE VALUE FOR THE WORLD WITH OUR RESOURCES



NIĞTAŞ A.Ş.



İlhanlı Mahallesi Mozaikçiler Küme Km. Evleri NIĞTAŞ A.Blok No: 1/G/1 Merkez NIĞDE



nigtas.com



+90 (388) 214 15 00 / +90 (388) 233 53 04 (FAX)



+90 (532) 135 04 26



info@nigtas.com / marketing@nigtas.com

BASKI

Niğde Haber Gazete & Matbaacılık
nigdehaber.com.tr

