



PLASTICS & COATINGS

SOLUTIONS

Colouring a sustainable future



COMPANY INTRODUCTION

Al-Farben, member of Torrecid Group, founded in 1980 and located in Alcora, is one of the world's largest companies for the production of Complex Inorganic Color Pigments and global main partner of leading innovative companies in Ceramics, Glass, Plastics, Coatings and Construction materials worldwide markets.

Following our mission:

“Provoke change through Global Leadership in innovation creating new solutions and technological and fashion trends to conquer the future, generating the greatest differentiation and maximum added value”.

Torrecid bases in four fundamental pillars: Innovation, Quality, Service and Marketing, that have marked the development of the company since its foundation. Our focus in these areas enables us to become leaders in every market where the company is present.

The Group employs more than 3.000 people worldwide through production facilities and Sales & Marketing offices in 28 countries in Europe, Asia, America, Middle East and Africa. This global presence allows us to offer a quick and efficient response to customer demands in more than 130 countries and this strong commitment to global markets is an essential key element for the historical grow of Al-Farben and Torrecid Group.

inorganic pigments
for plastics & coatings

Plastics

Our pigments are universally compatible with all polymers and additives. In addition to the cleanliness and brightness of the colors, they provide a series of benefits such as: opacity, easy dispersion, excellent heat, chemical stability, etc...

- Polyolefins (PP, HDPE, LDPE).
- PVC, Vinyl Siding.
- Engineering polymers (PC, PBT, PA, PET).
- Styrenics (ABS, SAN, ASA, PS).
- Silicone rubber.
- Fiber and thin film plastic applications.

Coatings

Due to their easy dispersion in all mediums, infrared reflectance and light and weather fastness, our pigments are suitable for the manufacture of high performance coatings in many different applications:




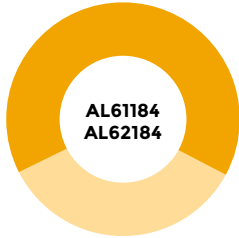


- Powder coatings.
- Coil and industrial coatings.
- Super durable coatings.
- Architectural paints.
- Automotive, camouflage, container and marine coatings.
- High temperature coatings.
- Gel-Coats.





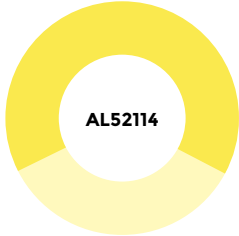
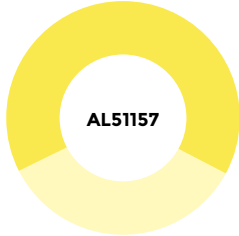
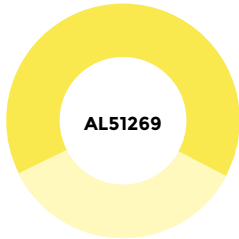
FARBEN
CHROMA

COLOR
CODE
MARKET*
CODE
INTERNAL
CODE
AL-
*MARKET CODE: **1** PLASTIC - **2** COATINGS

	Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
	PBr 24 Ti Sb Cr	68186-90-3	❄️	0,8-1,2	>300	800	1-1,4	8	5
	PBr 24 Ti Sb Cr	68186-90-3	❄️	0,6-1	>300	800	1-1,4	8	5
	PBr 24 Ti Sb Cr	68186-90-3	❄️	0,4-0,8	>300	800	1,5-1,9	8	5
	PBr 24 Ti Sb Cr	68186-90-3	❄️	0,8-1,2	>300	800	0,5-0,9	8	5
	PBr 24 Ti Sb Cr	68186-90-3	❄️	0,6-1	>300	800	1,1-1,5	8	5
	PBr 24 Ti Sb Cr	68186-90-3	❄️	0,5-0,9	>300	800	1-1,4	8	5

FARBENYELLOW

Nickel Antimony Titanium Yellow Rutile



Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm ³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PY 53 Ti Sb Ni	8007-18-9	✱	0,4-0,8	>300	800	1,4-1,8	8	5
PY 53 Ti Sb Ni	8007-18-9	✱	0,7-1,1	>300	800	2,6-3	8	5
PY 53 Ti Sb Ni	8007-18-9	✱	0,5-0,9	>300	800	0,8-1,2	8	5
PY 53 Ti Sb Ni	8007-18-9	✱	0,7-1,1	>300	800	2,6-3	8	5
PY 53 Ti Sb Ni	8007-18-9	✱	0,4-0,8	>300	800	1,4-1,8	8	5

COLOR CODE MARKET CODE INTERNAL CODE
AL-000000
*MARKET CODE: 1 PLASTIC - 2 COATINGS

*HDPE Heat Stability, ISO 53772



FARBENCHROMA

FARBENYELLOW

Bismuth Vanadate

Boric Acid - Free

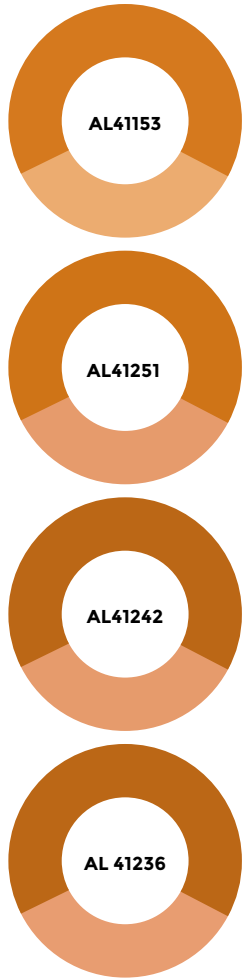


Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PY 184 Bi V	14059-33-7	✱	0,5-0,9	280	300	0,8-1,2	8	5
PY 184 Bi V	14059-33-7	✱	0,5-0,9	290	300	0,6-1	8	5
PY 184 Bi V	14059-33-7	✱	0,5-0,9	270**	300	0,4-0,8	8	5
PY 184 Bi V	14059-33-7	✱	1-1,4	270**	300	0,6-1	8	5
PY 184 Bi V	14059-33-7	✱	0,4-0,8	270**	300	0,6-1	8	5

AL-000000
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*HDPE Heat Stability, ISO 53772
** Heat stability performed on Acrylic resin





Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PY 119 Zn Fe	68186-90-3	❄️	0,4-0,8	300	800	0,3-0,7	8	5
PY 119 Zn Fe	68186-90-3	❄️	0,4-0,8	300	800	0,3-0,7	8	5
PY 119 Zn Fe	68186-90-3	❄️	0,4-0,8	300	800	0,3-0,7	8	5
PY 119 Zn Fe	68186-90-3	❄️	0,4-0,8	300	800	0,3-0,7	8	5

FARBENBLUE

Cobalt Aluminate Blue Spinel & Cobalt Chromite Blue-Green Spinel



Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PBI 28 Co Al	1345-16-0	❄️	0,4-0,8	>300	800	0,4-0,8	8	5
PBI 28 Co Al	1345-16-0	❄️	0,6-1	>300	800	0,8-1,2	8	5
PBI 36 Co Cr Al	68187-11-1	❄️	0,5-0,8	>300	1000	0,7-0,9	8	5
PBI 36 Co Cr Al	68187-11-1	❄️	0,6-1	>300	1000	0,7-1	8	5

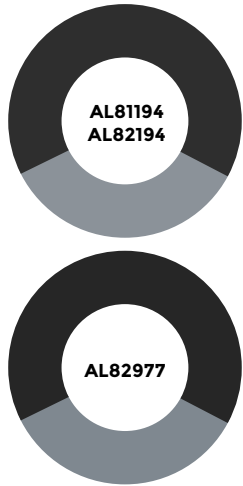
COLOR CODE MARKET CODE INTERNAL CODE
AL-000000
*MARKET CODE: 1 PLASTIC - 2 COATINGS

*HDPE Heat Stability, ISO 53772



FARBENBLACK

Black Iron Manganese Oxide



Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PBk 33 Fe Mn	68186-94-7		1,2-1,8	>300	1000	1,4-1,9	8	5
PBk 33 Fe Mn	68186-94-7		0,5-0,9	>300	1000	1-1,4	8	5

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*MARKET CODE: 1 PLASTIC - 2 COATINGS

*HDPE Heat Stability, ISO 53772



FARBENCHROMA

FARBEN

GREEN

Chrome Oxide Green



Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PGr 17 Cr Ox	1308-38-9	❄	0,3-0,7	>300	1000	0,6-1	8	5
PGr 17 Cr Ox	1308-38-9	❄	0,5-0,9	>300	1000	1,3-1,7	8	5
PGr 17 Cr Ox	1308-38-9	❄	0,7-1,1	>320	1000	0,6-1	8	5
PGr 17 Cr Ox	1308-38-9	❄	0,5-0,9	>320	1000	0,7-1,1	8	5
PGr 17 Cr Ox	1308-38-9	❄	0,6-1	>300	1000	0,6-1	8	5

COLOR CODE

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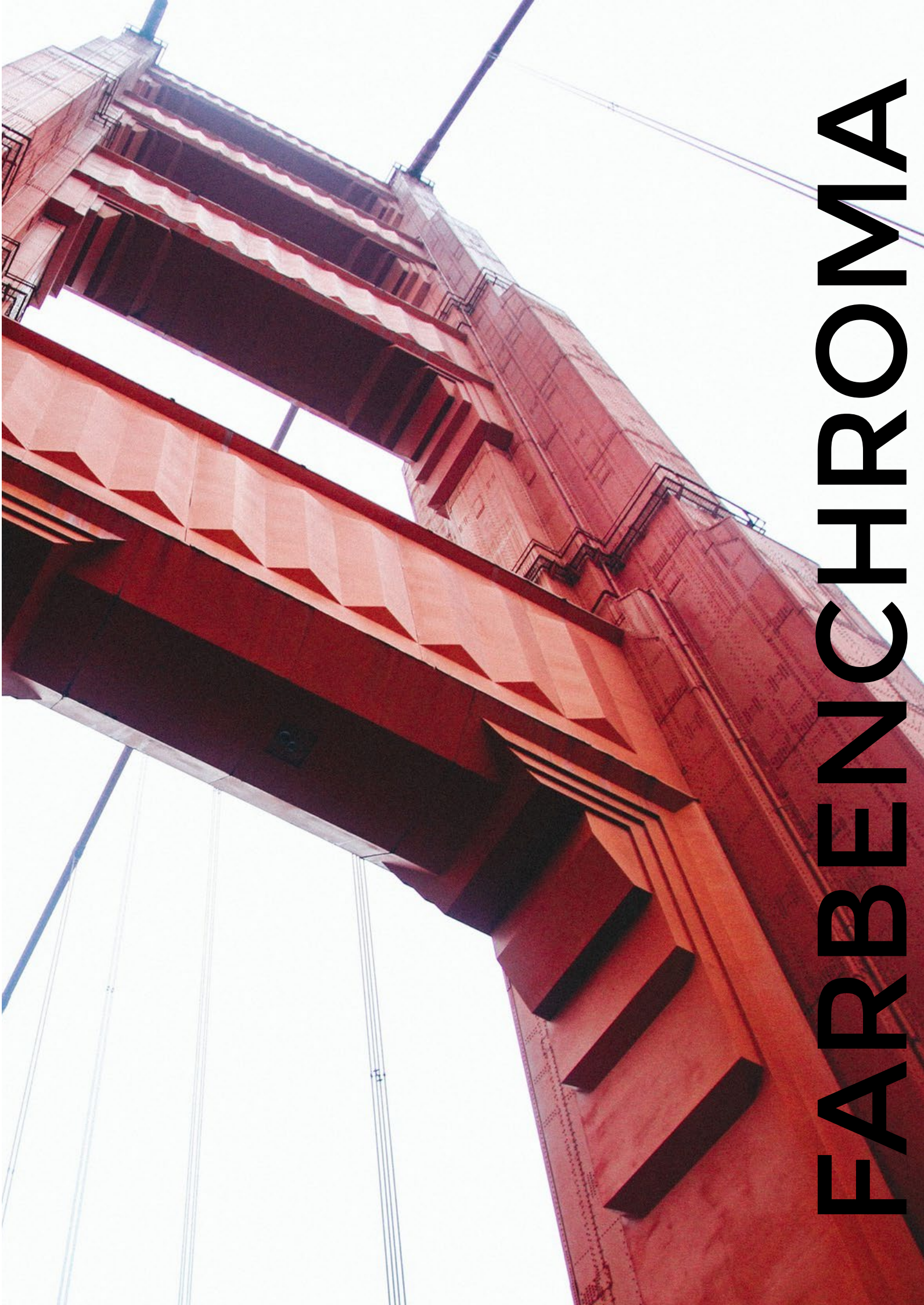
*HDPE Heat Stability, ISO 53772



FARBENCHROMA



Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PR 101 Fe Ox	1309-37-01	❄️	0,5-0,9	>300	800	0,2-0,6	8	5
PR 101 Fe Ox	1309-37-01	❄️	0,5-0,9	>300	800	0,3-0,7	8	5
PR 101 Fe Ox	1309-37-01	❄️	0,5-0,9	>300	800	0,3-0,7	8	5





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FARBENCOOL

IR Reflective Black Inorganic Pigments - Cool Blacks

These specific Pigments do not absorb most of the Near Infrared Radiation (NIR) of sunlight. Thus, the surface of the application keeps its black color, but absorbs half of the energy, reducing Heat Build Up compared to the rest of black pigments.

	Color Index	Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
	PBr 29	Cr Fe	12737-27-8	❄️	0,3-0,7	>320	1000	1-1,4	8	5
	PBr 29	Cr Fe	12737-27-8	❄️	0,3-0,7	>320	1000	1-1,4	8	5
	PBr 29	Cr Fe	12737-27-8	❄️	0,5-0,9	>320	1000	1,8-2,2	8	5






*HDPE Heat Stability, ISO 53772

FARBEN SOLUTIONS

FARBENCOOL

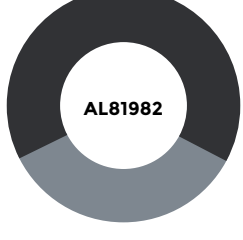
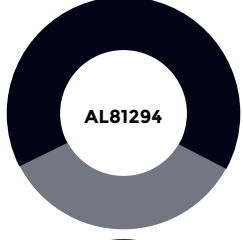
IR Reflective Brown Inorganic Pigments - Cool Browns

These specific Pigments do not absorb most of the Near Infrared Radiation (NIR) of sunlight. Thus, the surface of the application keeps its brown color, but absorbs half of the energy, reducing Heat Build Up compared to the rest of brown pigments.

	Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
	PBr 29 Fe Cr	12737-27-8	❄️	0,4-0,7	>300	800	0,5-0,9	8	5
	PBr 29 Fe Cr	12737-27-8	❄️	0,5-0,9	>300	800	0,6-1	8	5
	PY 164 Ti Mn Sb	68412-38-4	❄️	0,5-0,9	>300	800	0,7-1,1	8	5

SNOW SOLUTIONS





Color Index Chemical Nature	CAS	IR Reflective Pigment	Bulk Density (g/cm³)	Heat Stability* (°C)	Heat Resistance (°C)	Particle Size d50 (µm)	Light Fastness (1-8)	Weather Fastness (1-5)
PBk 28 Cu Cr	68186-91-4	-	0,5-0,9	>320	800	0,6-1	8	5
PBk 28 Cu Cr Fe	68186-91-4	-	0,5-0,9	>320	800	1-1,4	8	5
PBk 28 Cu Cr Fe	68186-91-4	-	0,5-0,9	>320	800	1-1,4	8	5
PBk 28 Cu Cr Fe	68186-91-4	-	0,5-0,9	>320	800	1-1,4	8	5
PBk 28 Cu Cr Fe	68186-91-4	-	0,5-0,9	>320	800	1-1,4	8	5



A Family & Green Company

Innovating together for a better and sustainable future



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The reproduction of the colours is approximate.

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STYLECID



www.alfarben.com - www.torrecid.com

