



FulColor®
劲　　乘

上海劲乘新材料有限公司

上海市闵行区银都路588号5007室
Tel: 021-54388960

www.fulcolor.net

上海 Shanghai
李经理 18121343367

广东 Guangdong
彭经理 18117433912

四川 Sichuan
胡经理 18117484959

江苏 Jiangsu
邱经理 18521056882

浙江 Zhejiang
吴经理 18521056893

国际业务 International Ariel Lee
电话/Tel: +86-18121323367
E-mail: ariel.lee@fulcolor.net

虽然劲乘认为本手册提供的信息是可靠的，但不承诺和保证信息的准确，完整和可靠性。由于产品的是使用条件超出我们的控制范围，所以我们对这里提出的一切建议与意见不作保证。亦不默示保证这里描述的产品的试销性或适用性。劲乘在任何时候都不会对因使用此处的信息或依赖此处的信息行事而产生的任何性质的损害承担责任。劲乘明确声明，使用此处提及的材料，不论是单独使用还是与其他材料一起使用，均不接受任何第三方的合法索赔，包括侵权索赔。使用者应遵守一切相关法律及专利规定。

This information and our technical advice – whether verbal, in writing or by way of trial – are given in good faith but without any warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided – especially that contained our safety data and technical information sheets – and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility.

FulColor®
劲　　乘



粉末涂料专用铝颜料和珠光颜料

METALLIC EFFECT PIGMENTS FOR POWDER COATINGS

公司简介
COMPANY PROFILE

上海劲乘新材料有限公司位于上海，其全资工厂湖北劲乘新材料有限公司，位于湖北黄梅县小池镇。

公司采用创新纳米包覆技术，专门生产用于涂料和塑料的免绑定，免喷涂铝颜料，珠光颜料等。在粉末涂料中上粉率高，不堵枪，不吐粉。

公司产品通过欧洲REACH认证， 符合ROSH, EN71, FDA，GB9685等国际国内标准。

Shanghai Fulcolor Advanced Materials Co., Ltd. is the sales office and its subsidiary factory Hubei Fulcolor Advanced Material Co, Ltd, is located in Xiaochi Town, Huangmei County, Hubei Province.

With cutting-edge technology, Fulcolor is specialized in coating technology and produces resin treated aluminum and pearlescent pigments for coating and plastic industries.

Resin coated NB series aluminum and pearl powders are specially designed for powder coatings. After encapsulation, the metallic powders can catch same electricity as base powder and are easy to handle in dry blend or bonding process. NB aluminum and pearl powders can be used for higher pigment dosage without spitting or blocking problem during spraying and exhibit high chroma to replace traditional liquid paint.

Fulcolor products are REACH registered. They are environmental-friendly and in compliance with regulations such as ROSH, EN71, FDA, and GB9685 etc.



NB免邦定银粉
NB Aluminum Pigment

NB的英文为Never Bonding，永不邦定的意思。NB免邦定金属效果颜料是上海劲乘新材料有限公司独立开发的树脂包覆型产品，主要原理：将铝片表面包覆一层二氧化硅后，再包覆一层很厚的树脂。经过最外层树脂包覆后，免绑定铝粉的带电性和底粉的带电性接近，因而不会聚枪，可以达到免绑定的目的。由于颜料最外层包覆了很厚的树脂，当粉末涂料成膜时，外层的树脂可以很好的成膜于颜料表面，这和油漆罩清漆非常类似，从而达到仿油漆的效果。同时可以帮助客户省去邦定工艺，降低金属色粉末涂料生产成本，提高金属粉末涂料耐化学性、耐候性、耐指纹性并且增加附着力。可以让金属颜料添加量大大提高。由于其非危险品的特性，彻底颠覆了人们对金属颜料粉的易燃易爆属性的认知。

NEVER BONDING! NB powder, Fulcolor's cutting-edge technology in the product portfolio, is a new product line of metallic effect pigment for powder coating industry. The aluminum flake was coated with silicon and subsequently coated with resin. With resin encapsulation, the aluminum powder can be charged as base powder without spitting problem during spray. The resin layer will be cured as film outside the aluminum flake resembling clear top coat. The resin layer also increases the chemical resistance, weather fastness, fingerprint resistance and adhesion. NB metallic effect pigment can help customer to skip bonding process and it can be used for high dosage in the formulation. NB metallic effect pigment is considered as Non-DG product and is more environmentally friendly and safe for handling.

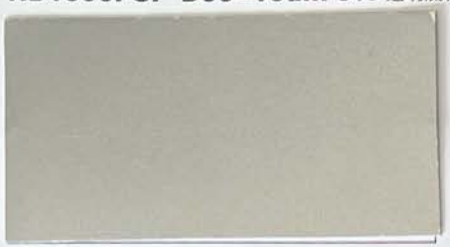
编号 Code	粒径 D50 um	片状 Flake Type	备注 Remarks
NB1006PSI	10	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB2006PSI	20	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB3506PSI	35	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB5006PSI	50	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness

SD: Silver dollar 银元型



NB免邦定银粉
NB Aluminum Pigment

NB1006PSI D50=10um 3% 透明底粉 **0.5%** 黑色底粉




NB2006PSI D50=20um 3% 透明底粉 **0.5%** 黑色底粉




NB3506PSI D50=35um 4% 透明底粉 **0.5%** 黑色底粉




NB5006PSI D50=50um 4% 透明底粉 **0.5%** 黑色底粉




*免邦定银粉采用二氧化硅及树脂双包覆工艺，具有优异的耐化学及耐候性能。
*以上喷板由干混工艺制作。

*Non-bonding aluminum pigment is double coated with silicon and resin.
*Panels above were made by dry blend process.

NB高白亮银粉
NB Aluminum Powder with Excellent Whiteness and Metallic Effect

NB高白亮银粉是上海劲乘新材料有限公司独立开发的树脂包覆型产品，通过工艺控制铝片表面二氧化硅包覆层的厚度，再经过最外层树脂包覆后，使得铝粉的带电性和底粉的带电性接近，更容易上粉喷涂，不容易堵枪。包覆工艺提高了金属粉末涂料耐化学性、耐候性、耐指纹性并且增加附着力，可以让金属颜料添加量大大提高，喷涂后铝粉白亮度更好，金属效果更佳。经过包覆的铝银粉为非危险品，更加方便运输和使用，彻底颠覆了人们对金属颜料粉的易燃易爆属性的认知。

NB aluminum powder produced by Fulcolor' s cutting-edge technology is a new metallic effect pigment for powder coating industry. The aluminum flake was coated with silicon and subsequently coated with resin. With resin encapsulation, the aluminum powder can be charged as base powder without spitting problem during spray. The resin layer will be cured as film outside the aluminum flake resembling clear top coat. The resin layer also increases the chemical resistance, weather fastness, fingerprint resistance and adhesion. NB metallic effect pigment is considered as Non-DG product and is more environmentally friendly and safe for handling.

编号 Code	粒径 D50 um	片状 Flake	备注 Remarks
NB0505PSI	5	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB0605PSI	6	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB1405PSI	14	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB2005PSI	20	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB3505PSI	35	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness
NB5505PSI	55	SD	优异的耐化学性及耐候性 Excellent chemical and weather fastness

SD: Silver dollar 银元型

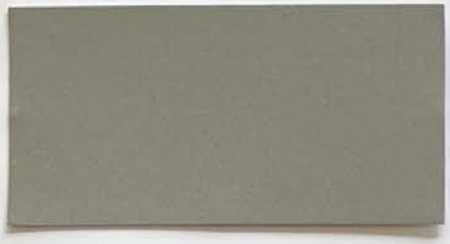


NB高白亮银粉
NB Aluminum Powder with Excellent Whiteness and Metallic Effect

NB0505PSI D50=5um 2% 透明底粉 **1%** 黑色底粉




NB0605PSI D50=6um 2% 透明底粉 **1%** 黑色底粉




NB1405PSI D50=14um 2% 透明底粉 **1%** 黑色底粉




NB2005PSI D50=20um 2% 透明底粉 **1%** 黑色底粉




*免邦定银粉采用二氧化硅及树脂双包覆工艺，具有优异的耐化学及耐候性能。
*以上喷板由干混工艺制作。

*Non-bonding aluminum pigment is double coated with silicon and resin.
*Panels above were made by dry blend process.

NB高白亮银粉
NB Aluminum Powder with Excellent Whiteness and Metallic Effect

NB3505PSI D50=35um 3% 透明底粉 **1%** 黑色底粉




NB5505PSI D50=55um 3% 透明底粉 **1%** 黑色底粉




NB超闪钻石银
Super Sparkling Diamond Aluminum Powder

钻石型系列是一种全新的多面体铝片，它能像钻石般的从多个角度赋予超级闪烁的效果。
树脂包覆处理过的铝粉可以用于干混工艺，不堵枪，不吐粉，具有优异的耐酸碱性和耐候性。基于钻石型铝片的免邦定铝粉，在黑色底粉中颜色更加均匀。

Diamond aluminum pigment is completely new aluminum flake type offering extremely sparkling effect from various angles like diamond. It can be used in dry blend process without spitting problem. It exhibits more even colors when mixed with black base powder.

编号 Code	粒径 D50 um	备注 Remarks
NB9905PSI	99	粒径分布集中，超级闪烁 Narrow distribution, super sparkling

NB9905PSI D50=99um 5% 透明底粉 **1%** 黑色底粉

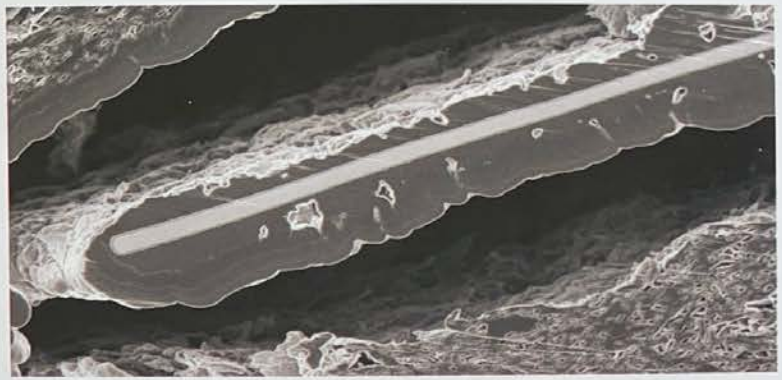



NBU超耐候银粉
Super Durability Aluminum Pigment

超耐候银粉采用户外专用超耐侯树脂进行包覆处理，此树脂经过弗罗里达5年曝晒验证，耐候性能优异。NB超耐侯铝粉包覆层更加致密，耐酸碱性更加优异，可用于户外超耐候氟碳粉末涂料，添加量高，不堵枪，不吐粉。

NB super durability aluminum powder is coated with silicon, acrylic resin, and super weather fastness polyester resin. It exhibits excellent chemical resistance and weather fastness. It can be used for high pigment loading without spitting problem and is recommended for outdoor PVDF powder coating.

编号 Code	粒径 D50 um	备注 Remarks
NBU2008WR	20	超耐候免邦定银粉 Excellent weather fastness
NBU3508WR	25	超耐候免邦定银粉 Excellent weather fastness
NBU5008WR	50	超耐候免邦定银粉 Excellent weather fastness
NB5051WR	50	超耐候免邦定银粉 Excellent weather fastness





NBU超耐候银粉
Super Durability Aluminum Pigment

NBU2008WR D50=20um 5% 透明底粉 **1%** 黑色底粉





NBU3508WR D50=35um 5% 透明底粉 **1%** 黑色底粉





NBU5008WR D50=50um 5% 透明底粉 **1%** 黑色底粉





NB5051WR D50=50um 5% 透明底粉 **1%** 黑色底粉





*免邦定银粉采用二氧化硅及树脂双包覆工艺，具有优异的耐化学及耐候性能。
*以上喷板由干混工艺制作。

*Non-bonding aluminum pigment is double coated with silicon and resin.
*Panels above were made by dry blend process.

NB免邦定珠光粉

NB Pearlescent Pigment

NB的英文为Never Bonding，永不邦定的意思。NB免邦定珠光粉是上海劲乘新材料有限公司独立开发的树脂包覆型产品，使NB珠光颜料可以直接使用干混工艺，从而避免了邦定工艺破坏片状珠光颜料，保证了绚丽多彩的珠光效果。同时使珠光颜料得到很强带电能力，提高上粉率和遮盖力，可以提高颜料添加量，轻松做到10%以上的珠光含量且不堵枪。NB珠光粉的带电性和底粉相当，大大提高了回收性能。

NEVER BONDING! NB powder, Fulcolor's cutting-edge technology in the product portfolio, is a new product line of pearlescent pigments developed particularly for powder coating industry.
These resin encapsulated pearls can be easily used by dry blending which greatly keep the mica flake from being destructed by the bonding process, so the original chrome can be very well maintained, and it's easily charged to improve coating ratio and hiding power, without spitting problem, the pigment loading can be 10% or above!
Even more, these NB powder can be charged the same as base powder which makes the recoverability of the coating more efficient!

编号 Code	粒径 D50 um	备注 Remarks
PMW01503NB	15	白色White
PMW02002NB	20	白色White
PMW04101NB	41	白色White
PGW04001NB	40	白色玻璃珠光Glass based white
PMJ01502NB	15	金色FineGold
PMJ02039NB	20	金色Gold
PMJ04009NB	40	金色Gold
PMJ02103NB	21	金色FineGold
PMJ02037NB	20	青金Rich Gold
PMC02250NB	22	古铜色Copper
PMC04522NB	45	古铜色Copper
PMC02032NB	20	红铜色Copper red
PMR01518NB	15	红色Red
PMR01519NB	15	超级艳红Bright red
PMR02203NB	22	黄相艳红Bright orange shade red
PMG02238NB	22	绿色Green
PML02205NB	22	红相蓝色Bright red shade blue
PML02205B/NB	22	绿相蓝色Bright green shade blue



NB免邦定珠光粉

NB Pearlescent Pigment

PMW01503NB D50=15um 10% 透明底粉 **1%** 黑色底粉





PMW02002NB D50=20um 10% 透明底粉 **1%** 黑色底粉





PMW04101NB D50=41um 7% 透明底粉 **1%** 黑色底粉





PMJ01502NB D50=15um 7% 透明底粉 **1%** 黑色底粉



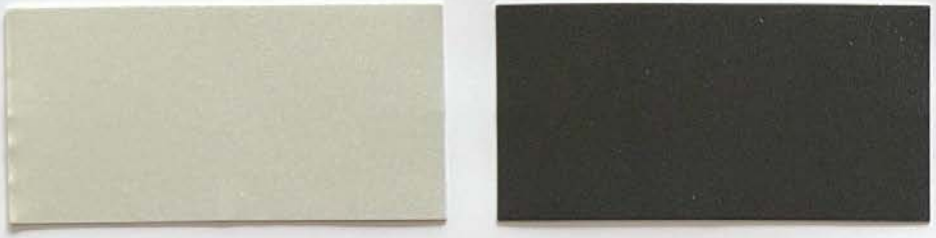


*免邦定珠光粉采用特殊树脂双包覆工艺，添加量高，色泽艳丽，不堵枪。
*以上喷板由干混工艺制作。

*Non-bonding pearlescent pigment is coated with resin for high dosage and brilliant color.
*Panels above were made by dry blend process.

NB免邦定珠光粉
NB Pearlescent Pigment

PMW01503NB D50=15um 10% 透明底粉 **1%** 黑色底粉



PMW02002NB D50=20um 10% 透明底粉 **1%** 黑色底粉



PMW04101NB D50=41um 7% 透明底粉 **1%** 黑色底粉



PMJ01502NB D50=15um 7% 透明底粉 **1%** 黑色底粉



*免邦定珠光粉采用特殊树脂双包覆工艺，添加量高，色泽艳丽，不堵枪。
*以上喷板由干混工艺制作。

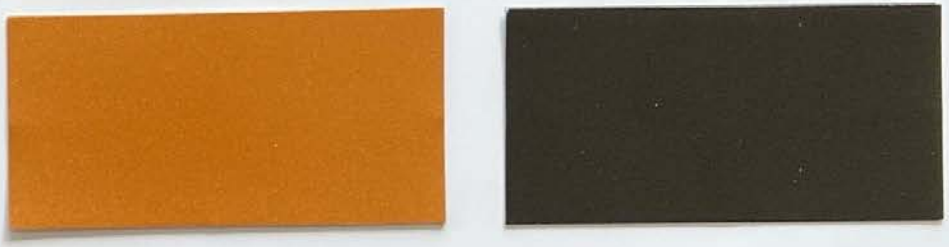
*Non-bonding pearlescent pigment is coated with resin for high dosage and brilliant color.
*Panels above were made by dry blend process.

NB免邦定珠光粉
NB Pearlescent Pigment

PMJ02037NB D50=20um 10% 透明底粉 **1%** 黑色底粉



PMJ02103NB D50=21um 10% 透明底粉 **1%** 黑色底粉



PMJ02039NB D50=20um 10% 透明底粉 **1%** 黑色底粉



PMJ04009NB D50=40um 10% 透明底粉 **1%** 黑色底粉



NB免邦定珠光粉
NB Pearlescent Pigment

PMC02250NB D50=22um 10% 透明底粉 **1%** 黑色底粉



PMC04522NB D50=45um 10% 透明底粉 **1%** 黑色底粉



PMC02032NB D50=20um 10% 透明底粉 **1%** 黑色底粉



PMR01518NB D50=15um 10% 透明底粉 **1%** 黑色底粉



NB免邦定珠光粉
NB Pearlescent Pigment

PML02205NB D50=22um 10% 透明底粉 **3%** 黑色底粉



PML02205B/NB D50=22um 10% 透明底粉 **3%** 黑色底粉



PMG02238NB D50=22um 10% 透明底粉 **3%** 黑色底粉



金属银珠光

Metallic Silver Pearlescent Pigment

金属银珠光是用特殊工艺包覆人工合成云母特制而成。并且再次对珠光进行树脂包覆处理，使其具有优异的带电性能，可以直接使用干混工艺，大大提高颜料添加量，从而避免了邦定工艺破坏片状珠光颜料，达到优异的金属效果。 银白珠具有优异的那酸碱性和耐候性。

Metallic Silver Pearlescent Pigment is specially coated synthetic mica to exhibit high chroma and gloss red color. It is also coated with resin which can be easily charged for powder coating. It can be used in dry blend avoiding damages caused by bonding process.

编号 Code	粒径 D50 um	备注 Remarks
PMS02581NB	25	金属银白色，上粉高，流平好 Metallic white, good leveling
PMS05591NB	55	金属银白色，上粉高，流平好 Metallic white, good leveling



PMS02581NB D50=25um 5% 透明底粉 **1%** 黑色底粉





PMS05591NB D50=55um 5% 透明底粉 **1%** 黑色底粉





超艳红珠光粉

Super Brilliant Red Pearlescent Pigment

超艳红珠光是用特殊工艺包覆人工合成云母特制而成。并且再次对珠光进行树脂包覆处理，使其具有优异的带电性能，可以直接使用干混工艺，从而避免了邦定工艺破坏片状珠光颜料，保证了绚丽多彩的珠光效果。劲乘超艳红珠光带电性好，可以提高上粉率和遮盖力，轻松做到10%以上的珠光含量且不堵枪。

Super brilliant red pearlescent pigment is specially coated synthetic mica to exhibit high chroma and gloss red color. It is also coated with resin which can be easily charged for powder coating. It can be used in dry blend avoiding damages caused by bonding process. Super brilliant red pearlescent pigment can be used for high pigment loading for 10% or above.

编号 Code	粒径 D50 um	备注 Remarks
PMR01519NB	15	绚丽蓝相红 Brilliant Blue Shade Red
PMR02203NB	22	绚丽橙相红 Brilliant Orange Shade Red

A值对比

A value comparison



PMR01519NB D50=15um
10% 透明底粉



PMR02203NB D50=22um
10% 透明底粉

