



卓越源于尽心

Excellence from doing our best



POWDER COATING ADDITIVE

PRODUCTS BROCHURE

Lu'An Jietonda New Material Co.,Ltd.



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MAKE YOUR POWDERS MORE POWERFUL

Lu'An Jietonda New Material Co.,Ltd. is a high-tech enterprise specialized in developing and manufacturing powder coating additives in China. From its humble start in 1990, Jietonda now has become the leading developer and manufacturer of specialty chemicals for powder coatings industry. The company has a start-of-the-art production facility and an advanced R&D center. As a member of Chinacoat Organization, we have participated the formulation of several GB national standards and industry standards, and been ranked as top 3 manufacturer of powder coating additives in China.

Since establishment, Jietonda has established the consistent quality guideline as "Excellence from doing our best" and always keep the policy without any changes. As an ISO9001 certified company and quality oriented enterprise, we have doing our best not only to develop high-tech and efficient powder coating additives, but also to improve product quality and technical services.

Our products including 6 series, more than 40 kinds of powder coating additives, including matting agents, matting hardeners, levelling agents, GMA resin, curing agents, PU hardener, curing accelerators, texture agents, wax modifiers, charge enhancing agents, and other special functional additives.

Today, Jietonda has established a strategic partnership with some top powder coating manufacturers around the world, and has become one of the most important companies specialized in developing and manufacturing powder coating additives in China.



Matting agents for hybrid powder coatings

| Code | Application | Processing&Use level | Charicteristics |
|---------|---------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| K7232 | Matting hardener for hybrid powder coatings | Premix&extrusion 1-5% by weight of total formula K7232/epoxy reaction ratio:1/2.5 | Gloss 4% (60°) Excellent storage stability & flow Wide range of applicability to polyester resins |
| K7235 | Matting hardener for hybrid powder coatings | Premix&extrusion 1-5% by weight of total formula K7235/epoxy reaction ratio:1/1 | Gloss 2% (60°) Excellent levelling Very low gloss with high matting efficiency |
| K7232D | Matting hardener for hybrid powder coatings | Premix&extrusion 1-5% by weight of total formula K7232/epoxy reaction ratio:1/1.5 | Gloss 5% (60°) Matting with low smoke emission |
| K7227 | Matting agent for hybrid powder coatings | Premix&extrusion 1-4.5% by weight of total formula | Gloss 5% (60°) Matting with excellent mechanical property |
| SA2165D | Matting agent for hybrid powder coatings | Premix&extrusion 1-5% by weight of total formula | Gloss 8% (60°) Excellent levelling performance Excellet matting and curing stability |

Matting agents for polyester powder coatings

| Code | Application | Processing&Use level | Charicteristics |
|---------|------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| SA206A | Matting agent for polyester powder coatings | Premix&extrusion 1-3% by weight of total formula | Gloss 30% (60°) Low cost Good levelling |
| K7212 | Matting agent for polyester powder coatings | Premix&extrusion 1-6% by weight of total formula | Gloss 15% (60°) Excellect levelling and surface performance |
| K7216 | Matting agent for polyester powder coatings | Premix&extrusion 2-6% by weight of total formula | Gloss 10% (60°) Excellect mechanical property Stable matting and curing |
| K7215 | Matting agent for polyester powder coatings | Premix&extrusion 3-6% by weight of total formula K7215/TGIC reaction ratio:10/1 | Gloss 7% (60°) Very low gloss stability of extrusion |
| SA2061B | Dry blend Matting agent | Post-add 1-1.5% by weight of total formula | Gloss 20% (60°) Post-add for matte powder coating Low cost |
| SA2068 | Matting hardener for polyester powder coatings | Premix&extrusion 1-5% by weight of total formula SA2068/TGIC reaction ratio:1/1.1 | Gloss 10% (60°) Higher surface hardner Good mechanical property |

Wax additive

| Code | Application | Processing&Use level | Charicteristics |
|--------|--------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| SA500 | Surface modifier | Premix&extrusion 0.5-1% by weight of total formula | Eexcellent degassing&improve slip, use as a non-yellowing co-degassing agent with benzoin |
| SA5060 | Degassing agent | Premix&extrusion,post adding 0.5-1.5% by weight of total formula | Excellent degassing properties, Improve air release use for aluminum substrate |
| K7661 | High efficient degassing agent | Premix&extrusion 0.5-1.5% by weight of total formula | Enhanced degassing performance, even with low temp curing |
| K7656 | Degassing agent | Premix&extrusion 0.5-2% by weight of total formula | Degassing agent, Good gloss rentention and Low haze |
| SA501 | Scratch/Mar-resistance | Premix&extrusion 0.5-1% by weight of total formula | Scratch&mar resistance, Low cost |
| SA5066 | Scratch/Mar resistance | Premix&extrusion,post adding 0.5-1.5% by weight of total formula | Enhances scratch resistance, increases resistance to scuffing, improves abrasion resistance |

Curing agent

| Code | Application | Processing&Use level | Charicteristics |
|--------|-------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K7101 | Low temp curing agent/ Curing accellerator | Premix&extrusion 2-4% by weight of epoxy resin | Low temp curing 120°C/30m or 240°C/30s |
| K7104 | Curing agent for epoxy powder coating | Premix&extrusion 3-5% by weight of epoxy resin | Curing @140°C/15min Applied for thick film coating or FBE coating Good mechanical properties and chemical resistance |
| K7108 | Curing agent for epoxy powder coating | Premix&extrusion 4-6% by weight of epoxy resin | Curing @150°C/10min or 240°C/2min Applied for thin film decorative coating good film appearance and mechanical strength |
| SA31 | Curing agent/curing accellerator | Premix&extrusion 6-7% by weight of epoxy resin | Curing @140°C/30min For functional or decorative powder coatings Also use as catalyst |
| SA2830 | Curing agent for epoxy powder coating | Premix&extrusion 4-5% by weight of epoxy resin | Micronized DICY Curing @180°C/15m |
| SA2831 | Curing agent for epoxy powder coating | Premix&extrusion 3.5-4.5% by weight of epoxy resin | Accelerated DICY Curing @160°C/12m or 200°C/5m |
| K7152 | Polyisocyanate curing agent for powder coatings | Premix&extrusion NCO equivalent 325 | Crosslink with OH-terminated polyester and acrylics to achieve weather-resistant powder coatings with excellent physical properties and surface performance |
| K7150 | Polyisocyanate curing agent for powder coatings | Premix&extrusion NCO equivalent 275 | Crosslink with OH-terminated polyester and acrylics to achieve weather-resistant powder coatings with excellent physical properties and surface performance |
| SA3120 | HAA curing agent for powder coatings | Premix&extrusion Hydroxyl equivalent 84 | Crosslinker for exterior durable powder coatings |

Catalyst for powder coating

| Code | Application | Processing&Use level | Charicteristics |
|-------|-------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------|
| K7318 | Catalyst | Premix&extrusion 0.5-2% by weight of total formula | Commodity catalyst for powder coatings Reduce curing temperature,speed the curing time |
| K7312 | Catalyst | Premix&extrusion 0.5-1% by weight of total formula | Catalyst for polyester/GMA powder coating |
| SA316 | Catalyst | Premix&extrusion 0.05-0.5% by weight of total formula | High active,low dosage |

Charge additive for powder coating

| Code | Application | Processing&Use level | Charicteristics |
|--------|---------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| SA2483 | Commodity charge additive | Premix&extrusion 0.3-0.6% by weight of total formula | Reduce impact of Faraday effect Improve the charge ability |
| SA2485 | Enhanced charge additive | Premix&extrusion 0.2-0.5% by weight of total formula | Enhanced charge improving Low dosage |
| SA2486 | Tribo charge additive | Premix&extrusion 0.5-1% by weight of total formula | Improve tribo charge ability |
| SA2487 | Charge additive | Premix&extrusion 0.3-1.5% by weight of total formula | Enhanced charge improving excellent storage ability Low smoke |
| K7017 | Charge additive | Premix&extrusion 0.5-1.5% by weight of total formula | Excellent charge improving Use for substrate with deep groove or s special shape substrate |

Texture agent for powder coating

| Code | Application | Processing&Use level | Charicteristics |
|--------|-----------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| SA207 | Sand texture agent | Premix&extrusion 0.08-0.15% by weight of total formula | Wide range of application High purity,low dosage consistent sand texture performance |
| SA2072 | Sand texture agent | Premix&extrusion 0.2-0.4% by weight of total formula | Well dispersed,low cost Excellent cost/performance ratio |
| K7726 | Sand texture agent | Premix&extrusion 0.2-0.6% by weight of total formula | Consistent sand texture with excellent scratch resistance performance |
| SA208 | Wrinkle texture agent | Premix&extrusion 3-5% by weight of resin | Special texture finishes such as water wrinkle, reticulated,vein,embossed and grained |

Special functional additive for powder coatings

| Code | Application | Processing&Use level | Charicteristics |
|--------|---------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| K7658 | Flow modifier | Premix&extrusion 0.5-2% by weight of total formula | Reduces or mitigates craters, pinholes Improving substrate wetting and help reduce haze |
| SA516 | Pigment dispersant | Premix&extrusion 0.5-1% by weight of total formula | Excellent pigment dispersing ability, improve color strength Use for organic pigment with bright color |
| K7771 | Scratch resistance agent | Premix&extrusion 0.5-2% by weight of total formula | Excellent scratch resistance performance use for sand texture or matte powder coating |
| K7004 | Anti yellowing agent | Premix&extrusion 0.5-1.5% by weight of total formula | Use for gas oven yellowing |
| K7005 | Anti yellowing agent | Premix&extrusion 0.3-1% by weight of total formula | Use for over baking yellowing |
| K7007 | Anti yellowing agent | Premix&extrusion 0.2-1% by weight of total formula | Use for high temperature or overbaking yellowing Also helpful for weather resistance |
| SA5501 | Metallic pigment stabilizer | Post add 2-4% by weight of total formula | Improve heat resistance and salt spray resistance of metallic powder coating |
| SA5502 | Fluidity additive | Post add 0.1-0.5% by weight of total formula | Improve the flowability of powder coating Balance the charge ability suitable for thin thickness powder coating |
| K7010A | Anti caking agent | Post add 0.2-0.6% by weight of total formula | Anti caking of powder coating Low cost |
| K7010B | Anti caking agent | Post add 0.1-0.4% by weight of total formula | Enhanced anti caking performance long term resistance of cluster |
| K7921 | Adhesion additive | Premix&extrusion 0.5-1.5% by weight of total formula | Improve adhesion of powder coating especially for water boiling adhesion |
| K7922 | Adhesion additive | Premix&extrusion 1-3% by weight of total formula | Imrpove adhesion of powder coating suitable for stainless steel and galvanized substrates |
| K7923 | Adhesion additive | Premix&extrusion 0.5-1.5% by weight of total formula | Enhanced adhesion improving for powder coating |
| K7903 | Impact/bending resistance additive | Premix&extrusion 2-4% by weight of total formula | Imrpoving the impact and bending performacen of powder coating |
| K7730 | Thermal transfer additive | Premix&extrusion 0.5-1.5% by weight of total formula | Improve the thermal transfer performance help remove thermal transfer paper,and reduce haze |

Acrylic resin

| Code | Application | Processing&Use level | Charicteristics |
|-------|-----------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| SA550 | GMA resin for matte finish | Premix&extrusion 25-35% by weight of polyester resin | Gloss≤10% (60°) Stability for extrusion and processing |
| SA580 | GMA resin for matte finish | Premix&extrusion 25-35% by weight of polyester resin | Gloss≤10% (60°) Excellent performance for mechanical property |
| SA590 | GMA resin for matte finish | Premix&extrusion 25-35% by weight of polyester resin | Gloss≤10% (60°) High levelling,especially for clear matte powder coating |
| SA300 | GMA resin | Premix&extrusion EEW 300 | Increase the crosslink density of powder coating Improve the chemical and heat resistance of powder coating |
| K7581 | Acrylic resin for clearcoat | Premix&extrusion EEW 500 | For clear powder coating High levelling,non yellowing |

Commodity additive

| Code | Application | Processing&Use level | Charicteristics |
|---------|--------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------|
| SA88 | Levelling agent | Premix&extrusion 0.5-1.5% by weight of total formula | Eliminate surface defects High suitability and reliable performance |
| SA701 | Levelling&wetting agent | Premix&extrusion 0.5-1.5% by weight of total formula | Improve levelling&wetting Excellent anti interference for powder coating |
| SA68 | Matting hardener for epoxy/hybrid powder coating | Premix&extrusion Epoxy reaction ratio:1/10 | Gloss 5% Excellent levelling High stability of matting performance |
| Benzoin | Degassing agent | Premix&extrusion 0.3-0.5% by weight of total formula | Excellent degassing,improve air release |



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Make your powders more powerful!

Visit our website www.jietondachem.com for more info about our company and products, or send your inquires to jietonda@jietondachem.com



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