



2020/2021 特殊效果颜料新品 - 印刷应用
New Effect Pigment Developments for Graphic Arts -
2020/2021

说明

Introduction



本介绍页仅包含我们最新研发的产品, 如需更多爱卡产品信息, 欢迎联系我们索取。

This flyer highlights newest developments. For all product information, please ask for our China brochure.

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颜料概览 - 印刷效果

Pigment Overview - Printed Results

不同类型颜料的图片说明
Picture introduction of different pigments

	玉米片型 Cornflake	银元型 Silverdollar	薄元型 Platindollar	美特亮 METALURE
颜料电镜图 Pigment SEM photo				
纸张印刷 Surface printed on paper				
薄膜里印 Reverse printed on film				



铝浆颜料 Aluminum Pastes

ROTOVARIO 800 系列

ROTOVARIO 800 是乙酸乙酯体系的铝颜料系列, 适用于印刷行业, 易于通过混合技术应用于溶剂型配方当中。

由于采用了优质基础颜料, 该非浮型产品具有众多优点:

- 与大多数溶剂型涂料/油墨体系有极好的相容性
- 出色的金属感
- 优秀的耐剪切稳定性
- 良好的着色性能
- 最佳的层间和层内附着力
- 不含 APEO、甲醛或双酚A
- 列入 IECSC、EINECS、METI、REACH、K-REACH
- 可空运

秉承爱卡高品质铝浆颜料理念, ROTOVARIO 系列采用与德国总部相同的生产设备和专业技术进行开发和制造。

该最先进的标准型乙酸乙酯铝浆系列通用于一配方。

ROTOVARIO	产品编号 / Article Number	颜料类型 / Pigment Type	粒径 / Particle Size	固含量 / Solid Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)
型号/Type			[µm]	%		
800 101	025917	玉米片型 / Cornflake	10	60	乙酸乙酯 / Ethyl Acetate	12
800 115	025945	银元型 / Silver Dollar	11	65	乙酸乙酯 / Ethyl Acetate	12
800 145	026004	银元型 / Silver Dollar	15	65	乙酸乙酯 / Ethyl Acetate	12

如应用于对附着力有更高需求的软包装时, 推荐使用 ROTOVARIO NPAC 系列。

ROTOVARIO	产品编号 / Article Number	颜料类型 / Pigment Type	粒径 / Particle Size	固含量 / Solid Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)
型号/Type			[µm]	%		
800 901 NPAC	026323	玉米片型 / Cornflake	10	65	乙酸乙酯 / 乙酸丙酯 / Ethyl Acetate / NPAC	6
800 105 NPAC	026288	银元型 / Silver Dollar	11	65	乙酸乙酯 / NPAC	6

ROTOVARIO 800-Series

ROTOVARIO 800 is a product series of ethyl acetate based aluminum pigments for the printing industries. It can easily be applied in solvent-based formulations by mixing technologies.

Due to the high quality base pigments, the non-leafing series offers a wide variety of advantages:

- Excellent compatibility to most coatings/inks in solvent-based systems
- Outstanding brilliance
- Very good shear stability
- Good tinting properties
- Optimal inter- and intra- coat adhesion
- Free of APEO, formaldehyde and bisphenol A
- Listed for IECSC, EINECS, METI, REACH, K-Reach
- Possible for airfreight

In accordance with ECKART 's philosophy of high quality Aluminum Pastes, the ROTOVARIO 800 series is developed and manufactured using the same production equipment and expertise taken from our German operations.

The standard ethyl acetate pastes can be used universal in general formulations and are state of the art.

For formulations for flexible packaging, which require better adhesion properties, our ROTOVARIO NPAC-series is recommended.

ALUDUR

非危险品铝条颜料 Non-dangerous Goods Aluminum Pellets



由于对挥发性有机化合物、危险品的运输和仓储的严格规定, ROTOVARIO 800 系列也可以条状形态供应。ALUDUR 的基础颜料和性能与 ROTOVARIO 800 系列相当, 但属于非危险品。

Due to high regulations with respect to VOC, dangerous goods, transportation and warehousing, the pigments of the ROTOVARIO 800-series is also available in pellet-form. The base pigments and properties are comparable to the ROTOVARIO 800-series as a non-dangerous goods product.

ALUDUR

ALUDUR	产品编号 / Article Number	颜料类型 / Pigment Type	粒径 / Particle Size	铝含量 / Aluminum Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)	特点 / Remarks
型号/Type			[µm]	%			
0801 n.l.	026136	玉米片型 / Cornflake	8	95	不含溶剂 / No Solvent	6	-
15 n.l.	059901	玉米片型 / Cornflake	10	95	不含溶剂 / No Solvent	12	-
90 n.l.	024288	银元型 / Silver Dollar	11	95	不含溶剂 / No Solvent	12	-
1005 n.l.	026287	银元型 / Silver Dollar	11	90	不含溶剂 / No Solvent	6	更佳附着力 / Adhesion improved
1405 n.l.	025544	银元型 / Silver Dollar	14	95	不含溶剂 / No Solvent	12	-

操作建议:

ALUDUR 铝条颜料在溶剂型油墨的常用溶剂(如乙酸乙酯)中都易于分散。为了实现分散性和遮盖力的最佳平衡, 建议在配制油墨前把颜料在溶剂中浸泡一段时间。

由于金属颜料的片状结构, 建议在低剪切下操作。

欲了解更多信息, 请联系爱卡的销售代表或技术团队。

Process recommendation:

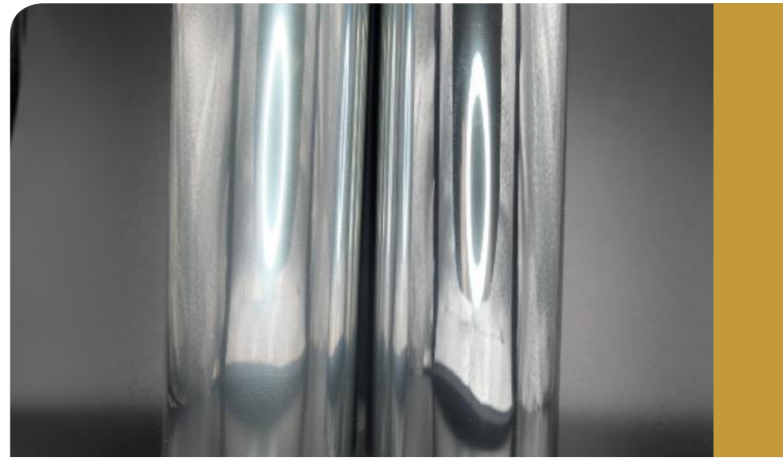
The ALUDUR pellets are easily dispersed in common solvent borne ink solvents like ethyl acetate. To obtain the best results balancing dispersion and hiding power it is recommended to let the pellets soak in solvents for some time before formulating an ink.

As metal effect pigments are flake like, low shear processes are recommended.

For further information, please contact the ECKART sales representative or technical team.



镜面效果铝颜料分散体
Mirror Effect
Aluminum Dispersions



METALURE® 是爱卡超亮铝颜料分散体的产品商标, 该产品可在溶剂型油墨中产生最高水平的反射效果。

这些超薄的片状颜料具有均匀且光滑的表面, 表现出完美的非浮特性, 可产生媲美于烫印或镀铝底材的镜面效果。持续搅拌成品油墨并添加进该颜料。

METALURE® is the ECKART trademark for ultra-brilliant aluminum pigment dispersions, creating the highest level of reflection in solvent based inks.

These ultra-thin platelets have a uniform, smooth surface exhibiting perfect non-leaving properties that result in perfect non-leaving properties that result in mirror-like effects comparable to foil stamping or metalized paper or board. The dispersion is added to the finished ink while stirring continuously.

METALURE®	产品编号 / Article Number	效果 / Effect	粒径 / Particle Size	固含量 / Solid Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)
型号/Type			[µm]	%		
101008	025442	黑亮镜面 / Dark Mirror	10	10	乙酸乙酯 / Ethyl Acetate	12
101005	025941	标准镜面 / Standard Mirror	10	10	乙酸乙酯 / Ethyl Acetate	12
101003	026065	白亮镜面 / Light Mirror	13	10	乙酸乙酯 / Ethyl Acetate	12

ULTRASTAR ZG 溶剂型调墨油可与 METALURE® 混合调制镜面效果油墨, 以取代烫金工艺和金属化底材。

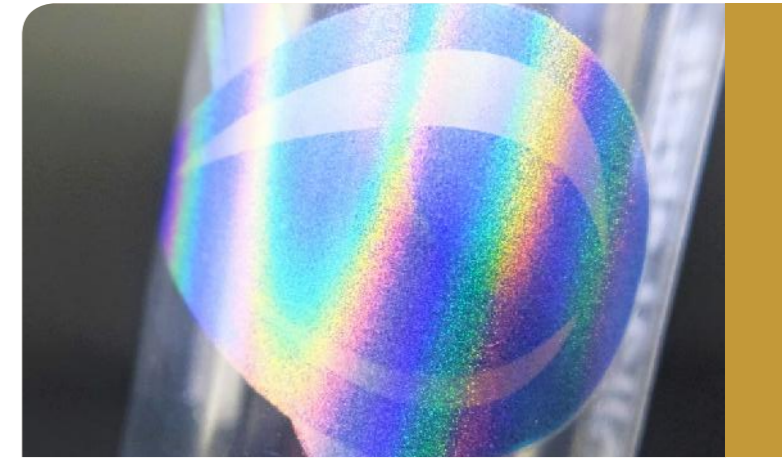
ULTRASTAR ZG solvent borne varnishes to blend your own mirror ink with METALURE® to adjust formulations to your need and replace foil stamping or metalized board.

ULTRASTAR	色相 / Color Shade	应用 / Application	金属感 / Brilliance	粒径 / Particle Size	固含量 / Solid Content	树脂体系 / Binder System	不含矿物油 / Mineral Oil Free
型号/Type					%	*	
ZG-0382	透明 / Transparent	凹印 / Gravure	n.a.	n.a.	5	PVB	●
ZG-0442	透明 / Transparent	凹印 / Gravure	n.a.	n.a.	4	PU	●

* PVB = 聚乙烯醇缩丁醛 / Polyvinyl butyral
PU = 聚氨酯甲酸乙酯 / Polyurethan



彩虹效果铝颜料分散体
Rainbow Effect
Aluminum Dispersions



METALURE® Prismatic 是 METALURE® 家族中具有彩虹效果的特殊成员。

A special member in the family of METALURE® is the rainbow effect pigment, called METALURE® Prismatic.

METALURE® Prismatic	产品编号 / Article Number	效果 / Effect	粒径 / Particle Size	固含量 / Solid Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)
型号/Type			[µm]	%		
155008 MA	026064	粗彩虹效果 / Coarse Rainbow	50	15	丙二醇甲醚醋酸酯 / Methoxy propyl acetate	12
102004 MA	026063	中细腻彩虹 / Middle Fine Rainbow	20	10	Methoxy propyl acetate	12



水性铝浆颜料

Water Borne Aluminum Pastes

ROTOVARIO Aqua 620 是爱卡的水性铝浆颜料系列，具有极佳分散性能。

针对金属颜料在墙纸油墨、柔印油墨或钢笔墨水中的应用，爱卡珠海开发了该系列包括银元型和玉米片型的新型铝颜料。颜料采用德国研磨技术生产，与一般水性油墨树脂相容。

该系列开发的重点应用目标是钢笔墨水，但由于所选用材料的通用性，也可用于其它应用。对于标准配方，我们推荐 HYDROMIC 系列。

欲了解更多信息，请查看技术信息或联系我们的技术服务部门。

ROTOVARIO Aqua 620 is the ECKART tradename for water borne pastes with excellent dispersion properties.

For the use of metallic pigments in wallpapers, flexo or pen inks, a new silver dollar and cornflake effect pigment series for water-based inks were developed at ECKART Zhuhai. The pigments are produced with German milling technology and are compatible to common water borne ink binders.

This series was developed with a focus on pen inks. Due to the universal composition, this series can also be used in other applications. For standard formulations, we recommend ECKART's HYDROMIC products.

For further information, please check common technical information or contact our technical service department.

ROTOVARIO Aqua 620	产品编号 / Article Number	粒径 / Particle Size	固含量 / Solid Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)	特点 / Remarks
型号/Type		[µm]	%			
NL SI RV 5125 Z	025754	50	35	水 / Water	6	极性表面 / Polar surface
NL SI RV-5044 Z	025753	50	35	水 / Water	6	非极性表面 / Unpolar surface
E BL SI RV 5126 Z	025752	10	35	水 / Water	6	-

STAPA® HYDROMIC

水性铝浆颜料

Water Borne Aluminum Pastes

STAPA® HYDROMIC 是用于水性配方的新系列铝颜料。得益于新的稳定化工艺，HYDROMIC 的耐发气稳定性获得了大幅提高。该产品符合最严格的法规和合规标准。

STAPA® HYDROMIC 可用于纯银和调金配方。

STAPA® HYDROMIC is our new series of aluminum pigments for the use in water borne formulations. Due to the new technology the gassing stability is improved. The product follows highest regulation and compliance standards.

The product series can be used in pure color as well as in tinted formulations.

STAPA® HYDROMIC	产品编号 / Article Number	颜料类型 / Pigment Type	粒径 / Particle Size	固含量 / Solid Content	溶剂 / Solvent	有效期 (月) / Shelf Life (month)
型号/Type			[µm]	%		
IL 1010	026254	玉米片型 / Cornflake	10	65	异丙醇 / IL	6
IL 1105	024359	银元型 / Silver Dollar	11	65	异丙醇 / IL	12
IL 1405	024836	银元型 / Silver Dollar	15	65	异丙醇/丙二醇甲醚 / IL/PM	12



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谨致友好问候
With compliments

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