



PPG Packaging Coatings

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Packaging Coatings Product Data Sheet

包装涂料产品资料

Product code 产品代号:	PPG2012-820
Product description 产品描述:	Water Based Acrylic Internal Spray/水性内喷涂
Intended use 用途:	Internal Spray for Beer and Beverage Aluminium Cans 啤酒罐和饮料罐等铝罐内全喷

Physical properties 物理性能:

Dry film color 干膜颜色:	Pale Gold/浅金
Solid content 固含量:	19.5± 0.5% (1.0g, 15 min, 200°C)/19.5± 0.5% (1.0 克, 15 分钟, 200 度)
Viscosity 粘度(FC4 @ 25°C):	20.0 ± 2.0 sec (Ford 4 cup, 25°C)/20.0 ± 2.0秒 (福特4 号杯, 25 度)
Specific gravity @ 20°C 比重:	1.00 ± 0.01Kg/L

Application Parameters 涂布参数:

Application method 涂布方法:	Airless Spray/ 无气喷涂
Application Viscosity 喷涂粘度:	20.0 ± 2.0 sec (Ford 4 cup, 25°C)/20.0 ± 2.0秒 (福特4 号杯, 25 度)
Application temperature 喷涂温度:	25-35°C/25-35 度
Substrate 基材:	Washed Aluminum/清洗铝罐
Dry film weight 干膜厚度:	330ml Beer (Minimum 2.4gsm) 105±5 mg/can 330 毫升啤酒罐 (最小2.4 克每平方米) 105±5 毫克/罐 330ml CSD (Minimum 3.0gsm) 125±5 mg/can 330 毫升饮料罐 (最小3.0 克每平方米) 125±5 毫克/罐 330ml Hard-to-hold (Minimum 4.0gsm) 145±5 mg/can 330 毫升功能饮料罐 (最小4.0 克每平方米) 145±5 毫克/罐 250ml CSD 115±6 mg/can 250 毫升饮料罐115±6 毫克/罐 150ml CSD 100±5 mg/can 150 毫升饮料罐100±5 毫克/罐
Curing conditions 固化条件:	Minimum 45 secs > 193°C if dome pmt 205°C; Minimum 60secs > 193°C if dome pmt 195-200°C. 如果底拱温度大于等于205 度, 金属温度193 度以上最少45 秒。 如果底拱温度195度-200 度之间, 金属温度193 度以上最少60 秒。 PMT Maximum pmt on can: 220°C at °C PMT 罐体的最高金属温度: 220 度金属温度
Thinner 专用稀释剂:	DI water/去离子水
Application preparation 使用前准备:	Stir well before use/使用前搅拌均匀
Equipment cleaner 专用设备清洗剂:	DI water/去离子水



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Storage Information 储存信息:

Shelf life 有效期:	6 months at 20°C and a change in viscosity during storage is possible 摄氏20度未开桶中6个月, 储存期间粘度是有可能变化的。
Storage details 储存条件:	10°C min, 30°C Max. (Optimum 20°C) 摄氏10-30度 (最佳环境摄氏20度) Store out of direct sunlight/避免阳光直射 Protect from frost at all times/避免冰冻

Issued Information 发布信息:

Date issued 发布日期:	Apr. 20th, 2020
Revision number 版本号:	A0

Disclaimer 免责声明:

“Statements and methods described herein are based upon the best knowledge of PPG Packaging Coatings . Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance or results, nor does PPG warrant freedom from patent infringement in the use of any formula or process herein.”

本文所作的描述的方法均基于PPG包装涂料公司所知的最好信息及作法。然而所述的使用程序仅为建议不可理解为对产品性能和结果的声明或保证。而且PPG包装涂料公司对使用所述的配方及工序是否侵犯他人专利不作保证。

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PPG2012-820C

ISSUED TO PPG Industries Europe Sarl

STANDARD 3.1

EXPIRES 2 February 2022

LEAD ASSESSMENT BODY

EPEA GmbH - Part of Drees & Sommer

ASSESSED APPLICATIONS

manufacturing, use, recycling, incineration, composting, landfilling

PRODUCTS COVERED

PPG2012-820C Inside Spray Coating

This product was assessed exclusively for use by professional metal can packaging manufacturers, trained in the proper handling and use of protective equipment for sensitizing and irritating inside spray laquer for metallic packaging (food & beverage metallic cans).

PRODUCT OPTIMIZATION SUMMARY

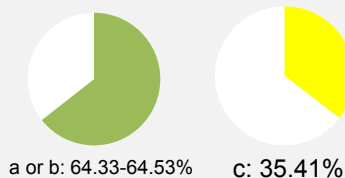
- Cradle to Cradle Certified*TM Banned List compliant
- Material Health optimization strategy not required
- No exposure from carcinogens, mutagens, or reproductive toxicants
- VOC emissions testing not required for this product type
- Product is fully optimized - does not contain any GREY or x-assessed chemicals
- Process chemicals have been identified and none are GREY or x-assessed

PERCENTAGE OF CHEMICAL SUBSTANCES ASSESSED BY WEIGHT

100%

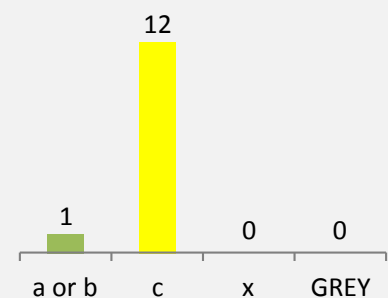
Inventory threshold for chemicals in each material = 100 ppm

ASSESSMENT RATINGS BY WEIGHT



% CHEMICAL SUBSTANCES

PRODUCT OPTIMIZATION



13 CHEMICAL SUBSTANCES

Material Health Certificate Guide

The Material Health Certificate is awarded to products assessed against the requirements in the Material Health category of the *Cradle to Cradle Certified™* Product Standard. The Material Health achievement level (Basic, Bronze, Silver, Gold, or Platinum) is shown in the certificate's upper right corner. A Material Health Certificate does not indicate that a product is *Cradle to Cradle Certified™*, which requires assessment against all five Standard categories.

The *Cradle to Cradle Certified™* Material Health Assessment Methodology is a contextual assessment based on chemical hazard identification and qualitative exposure considerations during a product's final manufacture, use, and end-of-use. The exposure assessment is highly simplified and more conservative compared to a conventional, quantitative risk assessment.

Definitions of Administrative Fields

Field	Definition
Issued To	Company that sells the assessed product(s).
Assessed By	Accredited Assessment Body responsible for conducting the product assessment.
Expires	Date the certificate expires. Certificate renewal is required biennially.
Standard	Version of the Standard (Material Health subsection only) the product was assessed against.
Assessed Scenarios	Use and end-of-use scenarios that the assessor considered in the exposure portion of the Material Health assessment. Assessment results are only valid for these scenarios.
Products Covered	Products included in the scope of the certificate. Certificates may cover multiple product variations.

Definitions of Product Optimization Summary Fields

***Cradle to Cradle Certified™* Banned List compliant**

The product's materials are not known to contain chemicals on the Banned Lists of Chemicals above permitted thresholds.

Material Health optimization strategy developed

Plan developed to phase out x assessed chemicals and assess GREY content.

No exposure from carcinogens, mutagens, or reproductive toxicants

Assessed materials do not contain carcinogens, mutagens, or reproductive toxicants with plausible exposure routes.

Meets VOC emissions testing requirements

The product meets the volatile organic compound (VOC) emissions testing requirements described in the Standard.

Does not contain any GREY or x-assessed chemicals; product is fully optimized

The product's materials contain chemicals with only a, b, or c risk ratings (no GREY or x). (Note: In the *Cradle to Cradle Certified™* Material Health Assessment Methodology, chemicals in each material are assigned a, b, c, x, or GREY risk ratings. Each material is then assigned an A, B, C, X, or GREY final assessment rating based on the risk ratings of its constituent chemicals. The following table explains the rating system.)

a or b (A or B)	Optimal
c (C)	Moderately problematic, but acceptable for use
x (X)	Highly problematic; targeted for phase out
GREY	Considered unassessed due to unknown identity or lack of toxicity information

Process chemicals have been identified and none are GREY or x-assessed

All process chemicals have been assessed and received an a, b, or c risk rating (no x-assessed or GREY).

Percentage Assessed by Weight

For single-material products, the cumulative percentage of assessed chemicals (a, b, c, and x). For other products, the cumulative percentage of assessed materials (A, B, C, and X). When a certificate represents a group of products, a percent range is shown.

Assessment Ratings by Weight

For single-material products, the percentage of a or b (shown in green), c (shown in yellow), and x (shown in red) assessed chemicals. For other products, the percentage of A or B (shown in green), C (shown in yellow), and X (shown in red) assessed materials. When a certificate represents a group of products, percent ranges are shown.

Product Optimization

Number of materials (or chemical substances for single-material products and multi-material product groups with uncountable color variations) assigned each assessment rating.