

**meviy, an AI-based parts procurement platform,
Expands Coating Color Options for Sheet Metal Processing and Welding**

A total of 20 colors, including safety colors, in response to growing demand

Starting January 29, 2024, meviy, an AI-based parts procurement platform powered by MISUMI Group Inc. (Headquarters: Chiyoda-ku, Tokyo, Japan; Representative Director and President: Ryusei Ono) will add five colors to its coating color options for sheet metal processing and sheet metal welding: red, orange, light blue, yellow-green, and brown. The newly adopted solvent coating process achieves a highly saturated color tone, and the coating color options available at meviy is now increased to 20 to meet more diverse needs. These include red, a safety color that "warns of danger" in factories, so that parts used in a wider range of situations can now be processed with meviy. We will continue to provide time value to our global customers in the IA (Industrial Automation) industry through expanding our services and contribute to enhancing their productivity.



■ **Background**

Previously, meviy used powder coating*¹ and offered black, white, gray, and cream paint colors. In response to the increasing demand for dedicated paint colors in the automotive and other industries, we decided to adopt solvent coating*² that achieves a vivid color tone, and add five new colors to the existing coating color options - red, orange, light blue, yellow-green and brown. This will allow meviy customers to paint with colors from the red, yellow and blue color systems. To make this possible, we have set new quality standards to meet customer requirements and upgraded our production system.

In addition, the newly added red and orange are safety colors and can be used for more than 60% of JIS Z 9103 (General Safety Colors). They are expected to be used in a wider range of situations, such as visually indicating "danger/caution areas" and "danger/caution points" in manufacturing and other facilities.

1 Powder coating: Powder coating with pigments and additives. Suitable for thick-film coating.






2 Solvent coating: Paint in which pigments are dissolved in an organic solvent. Compared with powder coating, it is easier to adjust colors.

■ Service Overview

•Service Release Date: January 29, 2024

•New Service Added:

5 coating color options in sheet metal processing and welding: red, orange, light blue, yellow-green and brown.

New Coating Color Options	Approx. Munsell Value	Color Sample
Red	5R4/14	
Orange	2.5YR6.5/13	
Light blue	10B6/7	
Yellow-green	7.5GY8/3	
Brown	5Y8.25/1.5	

•Supported materials:

SPCC/SPHC

•Supported sheet thicknesses: 0.8, 1.0, 1.2, 1.6, 2.0, 2.3, 3.2, 4.5, 6.0 (0.8mm thickness not supported for welding.)

•Delivery:

Sheet metal processing: 5+ days

Sheet metal welding: 10+ days

■ General Quality Standards: Powder and Solvent Coatings

	Powder coating	Solvent coating
Film thickness ^{*3}	80±30µm	30±15µm
Baking temperature	180°C	140°C
Baking time	20 to 30 min.	
Salt spray test ^{*4}	120 hrs.	72 hrs.

The values shown are approximate values.

3 Not a guaranteed value, as film thickness may vary depending on the shape.

4 JIS Z2371 salt spray test method is used.

(Powder: 60±5µm after baking at 180°C for 20 minutes, Solvent: 25±5µm after baking at 100°C for 20 minutes).

■ meviy Sheet Metal Manuals (in Japanese)

•Coating Colors

For more information about sheet metal processing, click here.

https://jp.meviy.misumi-ec.com/help/ja/technical_info/shm_shape-material/3725/

For more information about sheet metal welding, click here.

https://jp.meviy.misumi-ec.com/help/ja/technical_info/swd_shape-material/19789/

•For more information about the quality of our color-coated products, click here.

https://jp.meviy.misumi-ec.com/help/ja/technical_info/shm_conditions/3656/

■ About meviy

With meviy, customers simply upload a 3D model of a mechanical component, the AI automatically provides an instant quote, and our unique Digital Manufacturing System enables an order to be shipped in one day at the earliest.

meviy is a platform that eliminates perceived inefficiencies in parts procurement by reducing the time customers traditionally spend procuring mechanical components by more than 90%.

meviy received the Prime Minister's Prize at the Ninth Monodzukuri Nippon Grand Awards, achieved the No. 1 market share in Japan for three consecutive years, and is highly regarded for its contributions to improving productivity in the manufacturing industry. For our global customers, the range of services on each meviy website is expanding. meviy delivers "time value" to customers worldwide through digital transformation in component procurement.

meviy website: <https://meviy.misumi-ec.com/>

Customer Testimonials: https://jp.meviy.misumi-ec.com/info/ja/archives/category/case/user_case/



■ About MISUMI

MISUMI sells mechanical components required on-site for factory automation, as well as tools, consumables, and other products to more than 320,000 companies*⁵ worldwide. We wear two hats: a manufacturer with manufacturing functions and a distributor of other company's branded products. With this unique business model, supported by a solid business base, MISUMI achieves "globally reliable, quick delivery" for greater customer convenience. (*⁵ As of March 2023)

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