IMRON® MARINE
AU175 Flattening Binder

Description

Flattening binder to be used in Imron® Marine 2K topcoat and clearcoat qualities.
Composition based on acrylic copolymer.

Products

AU175	Flattening Binder

Auxiliary products

MSF-120S	Imron® 2K Topgloss SF Mixed Colours Standard 2K Clear
DP6940	Imron® Super Flow HS Clearcoat
125S	Standard Activator
DP2110	HS Activator Slow
TH61	Large Surfaces
TH102	Slow Thinner

Properties

- Allows easy preparation of flat Imron® Marine 2K topcoat colors and Imron® Super Flow HS Clearcoat in different ratios, depending on the required gloss level.
- Can be used in: Imron® 2K Topgloss SF, 120S and DP6940.

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PRODUCT PREPARATION

Mixing rules for 2K topcoats

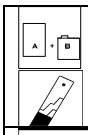
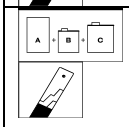
Flat colours
Replace binder by AU175 in ratio of 100 %.
- For pastel colours a weight ratio of 0/150 (binder/AU175) is required.
- For colours that only contain 200 g tint/l or less, the weight ratio 20/80 (binder/AU175) is required.

Semi-gloss colours
Mix binder with AU175 in weight ratio of 50/50.
- All other weight ratios with less than 100 % AU175 are allowed to obtain semi-gloss colours.

Mixing rules for 2K clears

Flat colours
Mix clear with AU175 in weight ratio of 30/70 (clear/AU175).
- The combination 120S/AU175 is only allowed up to a weight ratio of 40/60.

Semi-gloss colours
Mix clear with AU175 in weight ratio of 70/30.
- All other weight ratios with less than 70 % AU175 are allowed to obtain semi-gloss clears.

	**Standard mixing ratio 2K topcoats**	Imron® 2K Topgloss SF DP2110 TH61/TH102	3 1 1 - 1.5
	**Standard mixing ratio 2K clears**	120S 125S	2 1
		DP6940 DP2110 TH61/TH102	5 2 0.3
	Application	Refer to the original TDS of the selected quality.	
	**Stirring**	Thoroughly stirring of tintings, binder and flattening binder before and after adding activator is required. Filter product ready to use before application.	

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RECOMMENDED USE

Surface preparation

Surfaces have to be prepared according to the recommendations in the TDS of the selected quality following specifications listed in the Imron® Marine Manual.

Remarks

- A lot of flat colours can be obtained by replacing binder or clear with AU175 in the way described above.
- It is not possible to give mixing ratios in connection to exact flattening values, because the end result will vary, depending upon the influence of color, activator, application and drying method.
  Darker colours (e.g. black) always need less AU175 to end up at a specific flattening value than light colours (e.g. white).
- Degree of flatness is depending on application.
- Material has to be at room temperature (18-25°C) before use.

Recoatability

At any time after tape-free and dry to handle time following specifications listed in the Imron® Marine Manual.

Equipment cleaning

Use a suitable nitrocellulose thinner.

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RECOMMENDED USE (con'd)

Products	Packages (l)	Storability at 20°C (year)	VOC (g/l) ± 5	Density (kg/l) ± 0.01	Flash Point (°C)
AU175 Mixed colors	1 - 4	2	556	1.05	23
MSF…	/	1	/	/	27
Imron® 2K Topgloss SF					
120S	1 - 5	2	631	0.96	23
DP6940	5	2	475	0.99	31
125S	0.5 - 1 - 5	2	623	0.96	3
DP2110	1	2	320	1.08	41
TH61	1	2	905	0.91	25
TH102	1	2	923	0.92	46

Safety

Consult Material Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.

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Information

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.
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