

# AU175

## FLATTENING BINDER

### Description

Flattening binder to be used in most DuPont 2K topcoat and clearcoat qualities.  
Composition based on acrylic copolymer.

### Products

AU175      Flattening Binder

### Properties

- Allows easy preparation of flat 2K topcoat colours and 2K clears in different ratios, depending on the required gloss level.
- Can be used in : Centari<sup>®</sup> 500, Centari<sup>®</sup> 500 HB, Centari<sup>®</sup> 501, Centari<sup>®</sup> 5035, Imron<sup>®</sup> 700, 120SX, 670S, 676S, 690S, 695S, 696S, 3200S and 7600S.



# AU175

## FLATTENING BINDER

### 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/li or less (see colour tools), 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 120SX/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.
- 7600S can only be mixed with AU175 in a weight ratio of 50/50.

# AU175

## FLATTENING BINDER

### PRODUCT PREPARATION (con'd)

	<b>Colour tools</b>	See colour formula.	
	<b>Standard mixing ratio 2K topcoats</b>	Centari® 500 AK210 AK321	2 1 0.5
		Centari® 500 HB AK260 AK360	3 1 0.6
		Centari® 501 AK260 AB380	4 1 1
		Centari® 5035 XK205	4 1
		Imron® 700 AU270 AU370	4 1 0.5-1
	<b>Standard mixing ratio 2K clears</b>	120SX AK210	2 1
		670S AK260 AB380/XB383	3 1 0.6
		676S AK260 AB380/XB383	3 1 0.6
		690S AK260	3 1
		695S XK205	3 1
		696S 256S	3 1
		3200S XK205	5 1
		7600S 7675S	4 1
	<b>Application</b>	Refer to the original TDS of the selected quality.	
	<b>Stirring</b>	Thoroughly stirring of tintings, binder and flattening binder before and after adding activator is required.	
This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.			

# AU175

## FLATTENING BINDER

### RECOMMENDED USE

**Surface preparation**

Surfaces have to be prepared according to the recommendations in the TDS of the selected quality.

**Equipment cleaning**

Use 3608S.

**Recoatability**

At any time after tape-free time.

Products	Packages (li)	Storability at 20°C (year)
AU175	1 - 4	2

**Remarks**

- A lot of flat OEM colours can be retrieved from the DuPont colour tools. Any other flat colour can be obtained by replacing binder or clear with AU175 in the way described above.
- No need to add 805R to achieve flexibility, AU175 is giving enough flexibility for semi-flexible plastic parts. Full flexible flat finishes cannot be obtained with this technology.
- 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 colour, activator, application and drying method.  
Darker colours (e.g. black) always need less Flattening Binder to end up at a specific flattening value than light colours (e.g. white).
- Degree of flatness is depending on application. A wet coat gives higher gloss than a light coat.
- Total replacement of binder by AU175 in a black colour (200 g or less tint/li) can result in poor application properties.
- Material has to be at room temperature (18-20°C) before use.

**Safety**

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