

# 6012-003/002 Aluminium Frame Adhesive/Catalyst

## Technical Data Sheet

Page 1/1

Aluminium Frame Adhesive/Catalyst 6012-003/002 is a low odour and fast drying two-component adhesive for mesh mounting onto wood, aluminium and metal frame. Its medium viscosity enables easy application even on coarsest mesh counts and thus provides a strong and permanent bond. It has excellent chemical resistance and adhesion to all commonly used screen frames.

### Physical Data:

Colour:	• Aluminium Frame Adhesive	Red
	• Catalyst	Light Brown
Consistency:		Liquid
Viscosity:		11-16 Poise (Spindle 3 / Speed 10)
Solid Content:		17-21%
Shelf Life:		1 year at 20°C, 68°F
Pot Life (Mixed):		30 minutes in open container

### Frame Preparation:

New wooden frames do not normally require any special pre-treatment provided they are clean and dry. Steel and aluminum frames should be roughened with an abrasive and thoroughly degreased. It is strongly advised that all aluminum frames should be primed with the adhesive to be used and cured prior to mounting the mesh. All traces of rust, oxidation, grease and other impurities must be removed. Before applying the adhesive, make sure frames is free from oil, grease, dirt, water and solvents.

### Mixing the Adhesive:

Aluminium Frame Adhesive is a two component product and should be mixed as follows:

Part A: Aluminium Frame Adhesive (Base)	5 parts (by weight)
Part B: Catalyst 6012-002	1 part (by weight)

Note: Make sure two parts are mixed in the correct ratio; excessive catalyst can lead to poor solvent resistance and the adhesive becomes brittle.

### Applying the Adhesive:

Using pressure apply the adhesive through the stretched mesh onto the frame using a stiff short-haired brush onto the bonding area of the mesh. Make sure that ample amount of adhesive is applied to achieve contact with frame. Bubbles showing through the mesh signify poor contact between mesh and frame.

### Drying:

Allow the adhesive to dry thoroughly in about 20-30 minutes depending on application thickness and room temperature. The frames will achieve maximum chemical resistance if left to cure overnight.

### Handling and Storage:

- It is recommended to wear suitable protective goggles and gloves. Take particular care to avoid splashes into the eyes and skin contact. If this does occur, rinse immediately with plenty of water. In case of splashes into the eyes, seek medical advice.
- Comprehensive information on the safety and handling of Aluminium Frame Adhesive and Catalyst 6012-003/002 is given in the appropriate Smiley Material Safety Data Sheet (MSDS), which are available upon request.
- Aluminium Frame Adhesive and Catalyst should be stored in a cool dry area.
- Containers should be tightly closed immediately after use. Keep these products away from heat, sources of ignition or direct sunlight.
- Aluminium Frame Adhesive can be stored for 24 months. However, if mixed already with Catalyst, it will have a pot life of 30 minutes. Only enough product should be mixed that can be used within this time.

### Environmental Information:

This product is not considered hazardous in general. The working solution can generally be emptied into the drains however larger quantities should be disposed of according to local regulations.

## PRODUCT OFFERING:

### Packaging:

Packaging: 6012-003/002 is available in Set Pack (Adhesive 750 Grams, Hardener 150 Grams)

### Additional Information:

For additional product information, please visit our website at [www.smiley.co.th](http://www.smiley.co.th). For further information, please contact SPS personnel at [crm@smiley.co.th](mailto:crm@smiley.co.th).

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