

SunCoat Screenfix Extra Adhesive SunCoat Screen Making Products YC1006 / YC1002 / YC1011

1. Description

SunCoat Screenfix Extra Adhesive is a high bond strength, fast curing, two component screen adhesive for highly chemically resistant bonding of screen printing meshes to frames made of aluminium, steel, wood and galvanised iron. SunCoat Screenfix Extra Adhesive is fast drying, allowing very short dwell times in the stretching unit and bonding of high tension mesh without any loss of tension when the mesh is released from the stretching clamps. The adhesive is flexible and does not cause brittleness of the mesh after drying.

2. Product Features*

- High bond strength
- Fast curing
- All frames types
- High resistance
- Flexible after curing

*Specific application performance data, where available can be provided by your Sun Chemical representative.

3. Product Suitability*

3.1 Applications

SunCoat Screenfix Extra Adhesive is a high bond strength, fast curing, two component screen adhesive for highly chemically resistant bonding of screen printing meshes to frames made of aluminium, steel, wood and galvanised iron.

4. General Handling

4.1 Storage and Shelf Life

SunCoat Screenfix Extra Adhesive products should be stored in closed containers at temperatures between 10°C - 20°C and will have a minimum shelf life of 12 months but can remain usable for longer periods, depending on storage conditions.

Once mixed, SunCoat Screenfix Extra Adhesive will remain usable for approximately 60 minutes depending on the room temperature and quantity mixed.

For more specific handling advice refer to the Safety Data Sheet.

5. Application Conditions*

5.1 Screen Frame Preparation

Before using SunCoat Screenfix Extra Adhesive, check to ensure that the frame bonding surface is flat and even. Uneven deposits of dried adhesive on the frame surface should be removed using a grinding or sandblasting process. The bonding areas must be free from dust, grease, oils and all other materials acting as separating agents.

5.2 Mixing

Mix 80 parts by weight of SunCoat Screenfix Extra Adhesive YC1006 with 20 parts by weight of SunCoat Screenfix Extra Hardener YC1002. Stir well and apply mixed adhesive within approximately 60 minutes. Using pressure, apply the adhesive mixture with a hard brush onto the area of the mesh to be bonded whilst in contact with the frame surface beneath.

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For finer meshes, i.e. higher than 100 threads per cm, the mixture can be reduced with a little SunCoat Screenfix Thinner YC1011 to aid mesh penetration.

5.3 Drying

SunCoat Screenfix Extra Adhesive offers the advantage of drying and curing extremely fast, especially when a relatively thin adhesive film is applied. The drying time is dependent upon the mesh type being bonded, the quantity of adhesive to be dried and the room temperature in combination with the degree of air circulation.

Guide bonding times at 20°C in the stretching unit:

SunCoat Screenfix Extra Adhesive Drying Times	
Mesh Count (threads per cm)	Approximate Drying Times (Minutes)
100 to 150	7
50 to 70	10
21 to 62	15

5.4 Resistance

Relatively good resistance to water and many solvents is achieved after 1 hour, however full resistance will only be reached after a total curing time of 24 to 48 hours at 20°C.

*Please refer to your local Sun Chemical representative for specific details.

6. End-use safety

6.1 Handling

SunCoat Screenfix Extra Adhesive should be used in accordance with normal standards of industrial hygiene. Gloves and goggles should be worn during use and good air ventilation provided in usage areas. These products contain highly flammable solvents and require suitable flame proof storage, with local storage being minimised.

Please refer to the information provided on product labels and relevant Safety Data Sheets.

7. Technical Assistance / Contacts

For further information, please contact your local Sun Chemical team.

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