

## Cyanoacrylates and Two-Part Adhesives

There are two different types of mesh adhesives available from Sefar Inc.: Cyanoacrylates (often referred to as “CA’s”), and Two-Part Adhesives. The following is a short definition of each type of adhesive:

**Cyanoacrylates** Often referred to as “super glues”, cyanoacrylates are cured using an activator that is applied with an aerosol or pump spray once the adhesive is applied to the mesh. Once cured, CA’s are “hard” in nature with excellent solvent resistance. It is important to match the

CA’s viscosity to the end user’s mesh specification—see tables below.

**Two-Part Adhesives** Two-part adhesives consist of an adhesive and a hardener catalyst that are mixed together in a specific ratio prior to mesh application. Once cured, two-part adhesives are typically considered more flexible in nature, and also have excellent solvent resistance. Most two-part adhesives work with the majority of mesh specifications—see tables below.

When selecting an adhesive for your application, it is necessary to consider the following parameters: mesh specifications, tension level, chemical exposure, and eventual frame cleaning. Contact your Sefar Representative if you have questions about selecting the adhesive that is most compatible with your process.

**ADHESIVE KITS:** Many of the adhesive systems are available in small kits for trial purposes. See details pertaining to adhesive kits where applicable.

### Use these tables to select the appropriate adhesive system:

Standard Cyanoacrylates	SEFAR® SMA 100	SEFAR® SMA 500	SEFAR® SMA 1100
83-255 Mesh Specifications			✓
175-305 Mesh Specifications		✓	
230-460 Mesh Specifications	✓		
Preferred Activator	SEFAR® Activator	SEFAR® Activator	SEFAR® Activator
Adhesive Viscosity	Low	Medium	High

Premium Cyanoacrylates	Frame Fast® 280	Frame Fast® Trade Grade	Frame Fast® 290	Frame Fast® 295	Frame Fast® G2000	Frame Fast® 2084
83-255 Mesh Specifications			✓			
175-305 Mesh Specifications		✓				
230-460 Mesh Specifications	✓			✓	✓	✓
Preferred Activator	Frame Fast® 303 or 304	Frame Fast® 303 or 304	Frame Fast® 303 or 304	Frame Fast® 303 or 304	Frame Fast® 303 or 304	Frame Fast® 304
Adhesive Viscosity	Low	Medium	High	Medium	Very Low	Low
Recommended for use with automated assembly systems					✓	✓

Two-Part Adhesives	Liquid Staple® 300	Liquid Staple® 850	Liquid Staple® 870	SEFAR® 301A
Mesh Specifications	83 to 460	83 to 460	83 to 460	83 to 355
Preferred Catalyst	Liquid Staple® Catalyst 855	Liquid Staple® Catalyst 855	Liquid Staple® Catalyst 855	Hardener D
Adhesive Viscosity	Low	Medium	High	Medium