Aristech Surfaces - Acrylic Specification Guide

The following specification guide has been prepared to assist design professionals in the preparation of a specification section that includes Aristech Surfaces - AcryClear, AcryBright, or AcrySteel acrylic sheet. Utilize these paragraphs to insert text into applicable specification sections where Aristech Surfaces acrylic sheet products will be utilized.

Product Uses: Aristech acrylics may be used in a wide variety of applications, including:

Cabinetry

Sneeze guards

Glazing

Interior wall panels

Interior partitions and space separators

Shower surrounds

Signage

Furniture

Lighting

The following should be noted in using this specification guide:

Hypertext links to manufacturer websites are included after manufacturer names to assist in product selection and further research. Hypertext links are shown in blue text.

Optional text requiring a selection by the user is enclosed within brackets and shown in red text, e.g.: “Color: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and shown in red text, e.g.: "Thickness: [\_\_\_] inch."

Optional paragraphs are separated by an "OR" statement shown in red text, e.g.:

\*\*\*\* OR \*\*\*\*

For assistance on the use of the products in this section, contact Aristech Surfaces by calling 800-354-9858 or visit their website at [www.aristechsurfaces.com.](http://www.aristechsurfaces.com)

PART 1 - GENERAL

SUBMITTALS

Include the following for submission of samples for verification of type, color, and pattern.

A. Submittals for Review:

1. Samples: [\_\_ x \_\_] inch acrylic sheet samples in specified type, color, finish, and thickness.

B. Informational Submittals:

1. Test Reports: Certified test results for product flammability.

C. Closeout Submittals:

1. Maintenance Data: Manufacturer’s recommendations for product use, care, and maintenance.

DELIVERY, STORAGE AND HANDLING

A. Deliver and store acrylic sheet in manufacturer’s protective packaging.

B. Leave protective film in place until ready for final cleaning.

C. Store acrylic sheet in an interior location.

D. Protect acrylic sheet from damage and discoloration.

PART 2 - PRODUCTS

MATERIALS

Include one or more of the following as applicable to acrylic types required for project.

Retain the following for AcryClear continuous cast acrylic sheet.

A. Acrylic Sheet:

1. Source: AcryClear by Aristech Surfaces [or approved substitute].

2. Thickness: [0.118] [0.177] [0.236] [0.354] [0.472] [\_\_] inch.

3. Meet ASTM D 4802, Category A-2, Finish 1 and 2, Type UVF.

4. Flame spread/smoke developed rating: 165/270 for nominally 1/8 inch thick sheet, tested to ASTM E84.

5. Color: [\_\_\_\_].

6. Finish: [Gloss.] [Frosted/matte.]

\*\*\*\* OR \*\*\*\*

Retain the following for AcryBright cell cast acrylic sheet.

A. Acrylic Sheet:

1. Source: AcryBright Cell Cast by Aristech Surfaces [or approved substitute].

2. Thickness: [0.160] [0.275] [0.350] [\_\_] inch.

3. Meet ASTM D 4802, Category A-1, Finish 1 and 2, Type UVF.

5. Color: [\_\_\_\_].

6. Finish: [Gloss.] [Frosted/matte.]

\*\*\*\* OR \*\*\*\*

Retain the following for AcrySteel impact resistant acrylic sheet.

A. Acrylic Sheet:

1. Source: AcrySteel by Aristech Surfaces [or approved substitute].

2. Thickness: [0.118] [0.177] [0.220] [0.354] 0.472] [\_\_] inch.

3. Meet ASTM D 4802, Category A-2, Finish 1 and 2, Type UVF.

4. Flame spread/smoke developed rating: 170/345 for nominally 1/8 inch thick sheet, tested to ASTM E84.

5. Color: [\_\_\_\_].

6. Finish: [Gloss.] [Frosted/matte.]

FABRICATION

1. Fabricate acrylic sheet in accordance with manufacturer’s instructions.

Include the following for back-painted acrylic sheet for use where less transparency is required.

1. Paint back side of acrylic sheet [where indicated] using DTM Bonding Primer by Sherwin Williams.

PART 3 - EXECUTION

INSTALLATION

A. Install acrylic sheet in accordance with manufacturer’s instructions.

CLEANING AND PROTECTION

A. Remove protective film just prior to final cleaning.

B. Clean acrylic sheet in accordance with manufacturer’s instructions.