

## Screen Printing KYDEX® Thermoplastic Sheet

### INTRODUCTION

KYDEX® thermoplastic sheet is easily printed on as long as the recommended inks are used. A good copy can be achieved by using the recommendations sent to us by NAZDAR. NAZDAR recommends 1600, 1700, 1800, 1900, 9700, System 2, and 9600 with 10% NB-72 catalyst inks for screen printing on KYDEX® sheet. The following are test results from NAZDAR concerning screen printing on KYDEX® sheet using the recommended inks:

#### Test Results:

| Substrate Tested<br>Ink |      |                |           |                    | KYDEX® Thermoplastic Sheet |         |         |            |               |              |
|-------------------------|------|----------------|-----------|--------------------|----------------------------|---------|---------|------------|---------------|--------------|
| 1600                    |      |                |           |                    | Tape                       | XH Tape | Scratch | XH Scratch | Chemical Test | Weather Test |
| Additive / Amt %        | Mesh | Dry Temp /Time | Cure Rate | Treatment Required |                            |         |         |            |               |              |
| None                    | 355  |                | 40 x 200  | No                 | G                          | G       | G       | G          | N/A           | N/A          |
| None                    | 355  |                | 40 x 200  | Yes / Alcohol Wipe | G                          | G       | G       | G          | N/A           | N/A          |

| Substrate Tested<br>Ink |      |                |           |                    | KYDEX® Thermoplastic Sheet |         |         |            |               |              |
|-------------------------|------|----------------|-----------|--------------------|----------------------------|---------|---------|------------|---------------|--------------|
| 1700                    |      |                |           |                    | Tape                       | XH Tape | Scratch | XH Scratch | Chemical Test | Weather Test |
| Additive / Amt %        | Mesh | Dry Temp /Time | Cure Rate | Treatment Required |                            |         |         |            |               |              |
| None                    | 355  |                | 40 x 200  | No                 | G                          | G       | G       | G          | N/A           | N/A          |
| None                    | 355  |                | 40 x 200  | Yes / Alcohol Wipe | G                          | G       | G       | G          | N/A           | N/A          |

| Substrate Tested<br>Ink |      |                |           |                    | KYDEX® Thermoplastic Sheet |         |         |            |               |              |
|-------------------------|------|----------------|-----------|--------------------|----------------------------|---------|---------|------------|---------------|--------------|
| 1800                    |      |                |           |                    | Tape                       | XH Tape | Scratch | XH Scratch | Chemical Test | Weather Test |
| Additive / Amt %        | Mesh | Dry Temp /Time | Cure Rate | Treatment Required |                            |         |         |            |               |              |
| None                    | 355  |                | 40 x 200  | No                 | G                          | G       | G       | G          | N/A           | N/A          |
| None                    | 355  |                | 40 x 200  | Yes / Alcohol Wipe | G                          | G       | G       | G          | N/A           | N/A          |

| Substrate Tested<br>Ink |      |                |           |                    | KYDEX® Thermoplastic Sheet |         |         |            |               |              |
|-------------------------|------|----------------|-----------|--------------------|----------------------------|---------|---------|------------|---------------|--------------|
| 1900                    |      |                |           |                    | Tape                       | XH Tape | Scratch | XH Scratch | Chemical Test | Weather Test |
| Additive / Amt %        | Mesh | Dry Temp /Time | Cure Rate | Treatment Required |                            |         |         |            |               |              |
| None                    | 355  |                | 40 x 200  | No                 | G                          | G       | G       | G          | N/A           | N/A          |
| None                    | 355  |                | 40 x 200  | Yes / Alcohol Wipe | G                          | G       | G       | G          | N/A           | N/A          |



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## Screen Printing KYDEX® Thermoplastic Sheet

### INKS CONTINUED

| Substrate Tested |      | KYDEX® Thermoplastic Sheet |           |                    | Tape | XH Tape | Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|----------------------------|-----------|--------------------|------|---------|---------|------------|---------------|--------------|
| Ink              |      | 9600                       |           |                    |      |         |         |            |               |              |
| Additive / Amt % | Mesh | Dry Temp /Time             | Cure Rate | Treatment Required |      |         |         |            |               |              |
| 9630-NB @ 10-10% | 195  | 24 hours                   |           | No                 | G    | G       | G       | G          | N/A           | N/A          |
| 9630-NB @ 10-10% | 195  | 24 hours                   |           | Yes / Alcohol Wipe | G    | G       | G       | G          | N/A           | N/A          |

| Substrate Tested |      | KYDEX® Thermoplastic Sheet |           |                    | Tape | XH Tape | Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|----------------------------|-----------|--------------------|------|---------|---------|------------|---------------|--------------|
| Ink              |      | 9700                       |           |                    |      |         |         |            |               |              |
| Additive / Amt % | Mesh | Dry Temp /Time             | Cure Rate | Treatment Required |      |         |         |            |               |              |
| RE 180 @ 10%     | 195  | 24 hours                   |           | No                 | G    | G       | G       | G          | N/A           | N/A          |
| RE 180 @ 10%     | 195  | 24 hours                   |           | Yes / Alcohol Wipe | G    | G       | G       | G          | N/A           | N/A          |

If you need more information,  
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