

Screen Printing KYDEX® Thermoplastic Sheet

TB - 152-B

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: [KYDEX® thermoplastic sheet](#)
Ink: [1600](#)

| Additive / Amt % | Mesh | Dry Temp / Time | Cure Rate | Treatment Required | Adhesion** | | Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|-----------------|-----------|--------------------|------------|---------|---------|------------|---------------|--------------|
| | | | | | Tape | XH Tape | | | | |
| 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: [KYDEX® thermoplastic sheet](#)
Ink: [1700](#)

| Additive / Amt % | Mesh | Dry Temp / Time | Cure Rate | Treatment Required | Adhesion** | | Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|-----------------|-----------|--------------------|------------|---------|---------|------------|---------------|--------------|
| | | | | | Tape | XH Tape | | | | |
| 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: [KYDEX® thermoplastic sheet](#)
Ink: [1800](#)

| Additive / Amt % | Mesh | Dry Temp / Time | Cure Rate | Treatment Required | Adhesion** | | Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|-----------------|-----------|--------------------|------------|---------|---------|------------|---------------|--------------|
| | | | | | Tape | XH Tape | | | | |
| 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: [KYDEX® thermoplastic sheet](#)
Ink: [1900](#)

| Additive / Amt % | Mesh | Dry Temp / Time | Cure Rate | Treatment Required | Adhesion** | | Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|-----------------|-----------|--------------------|------------|---------|---------|------------|---------------|--------------|
| | | | | | Tape | XH Tape | | | | |
| 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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**Inks
Continued**

Substrate Tested: [KYDEX® thermoplastic sheet](#)
Ink: [9600](#)

| Additive / Amt % | Mesh | Dry Temp / Time | Cure Rate | Treatment Required | Adhesion** | | XH Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|-----------------|-----------|--------------------|------------|---------|------------|------------|---------------|--------------|
| | | | | | Tape | XH Tape | | | | |
| 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](#)
Ink: [9700](#)

| Additive / Amt % | Mesh | Dry Temp / Time | Cure Rate | Treatment Required | Adhesion** | | XH Scratch | XH Scratch | Chemical Test | Weather Test |
|------------------|------|-----------------|-----------|--------------------|------------|---------|------------|------------|---------------|--------------|
| | | | | | Tape | XH Tape | | | | |
| 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, please contact NAZDAR in the US at 1-800-767-9942 or internationally on the web at <http://www.nazdar.com>

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