

**SECTION 06 8300
COMPOSITE PANELING**

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Installation of high performance, composite polymer resin wall/ceiling panels and trims.

1.2 RELATED REQUIREMENTS

- A. Section 06 1000– Rough Carpentry.

1.3 REFERENCE STANDARDS

- A. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 QUALITY ASSURANCE

- A. Installer’s Qualifications: Installer is regularly engaged, for past 10 years, in installation of similar type of paneling to that specified.
- B. Mock-ups: Construct mock-ups of composite resin decorative wall/ceiling paneling and trim for evaluation of fabrication, finishing techniques and workmanship.
1. Construct mock-ups using same materials for use in the Work.
 2. Do not proceed until shop fabrication and shop finishing techniques and workmanship of mock-ups are approved by Architect.
 3. Approved Mock-ups: Standard for shop fabrication and shop finishing techniques and workmanship.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer’s original, unopened packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
1. Store and handle materials in accordance with manufacturer’s instructions.
 2. Keep materials in manufacturer’s original, unopened containers and packaging until installation.
 3. Store materials in interior, clean, dry, conditioned area.
 4. Store materials on flat, level surface, raised above floor, with adequate support to prevent sagging.
 5. Protect materials and finish during storage and handling to prevent damage.

PART 2 - PRODUCTS

2.1 SUPPLIER

- A. Supplier: North Star
1. Phone: 800.383.9784
 2. Email: nslive@nssurfaces.com
 3. Website: www.nslive.us

2.2 MATERIALS:

- A. Products: Cielo High Performance Paneling | www.cielo.us | 833.868.1522
1. No substitutions.

B. Decorative Composite Wall/Ceiling Panel (CWP/CCP):

1. Composition: Cielo High Performance Panels comprised of multiple homogeneous layers of varied polymer resins. Panels are flexible, lightweight, and resistant to impact and chemical contact.
2. Surface Burning Characteristics, ASTM E 84: Class C / Class 3.
3. Panel Sizes: Per Drawings and verified field dimensions.
4. Panel Thickness: 5/32".
5. Factory Edge Detail: TBS [90-degree Flat Polish or Micro Bevel]
6. Color: TBS [Standard or Custom]
7. Substrate: TBS [as specified in Section 06 1000]
8. Weight: 1 pound per square foot

C. Trim:

1. Cielo Trim Profile: TBS [Q-2100, W-2115, X-2145, H-2160, J-2130]
 - a. Length: 8' or 12'
2. Color: TBS [Standard Anodized Aluminum or Custom Color].

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine surrounding area and supporting structure to receive decorative wall/ceiling paneling.
- B. Verify field dimensions.
- C. Verify that receiving wall/ceiling is a clean and flat surface.
- D. Verify that composite resin panels are in prime condition and ready for installation.
- E. Notify Architect of conditions that would adversely affect installation or subsequent use.
- F. Do not begin installation until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Install decorative wall/ceiling panels per project requirements, in accordance with manufacturer's written guidelines at locations indicated on the Drawings.
- B. Use the Cielo High Performance Paneling installation kit(s) and additional Cielo adhesives and support materials to install decorative wall/ceiling panels per project requirements in accordance with manufacturer's written guidelines.
 1. Butt Joints: Install decorative wall/ceiling panels with expansion joints per manufacturer's written guidelines. Paint wall/ceiling behind seams to match the specified Cielo color.
 2. Trim Joints: Install specified Cielo anodized aluminum or color-matched trims per project requirements, following manufacturer's written guidelines.
- C. Leave protective peel coat in place until date of Substantial Completion.

3.3 CLEANING

- A. Remove protective peel coat covering at date of Substantial Completion.
- B. Clean decorative wall panel surfaces using Cielo Care & Maintenance Kit in accordance with manufacturer's written guidelines.
- C. Do not use harsh cleaning chemicals, materials, or methods that could damage finish.

END OF SECTION