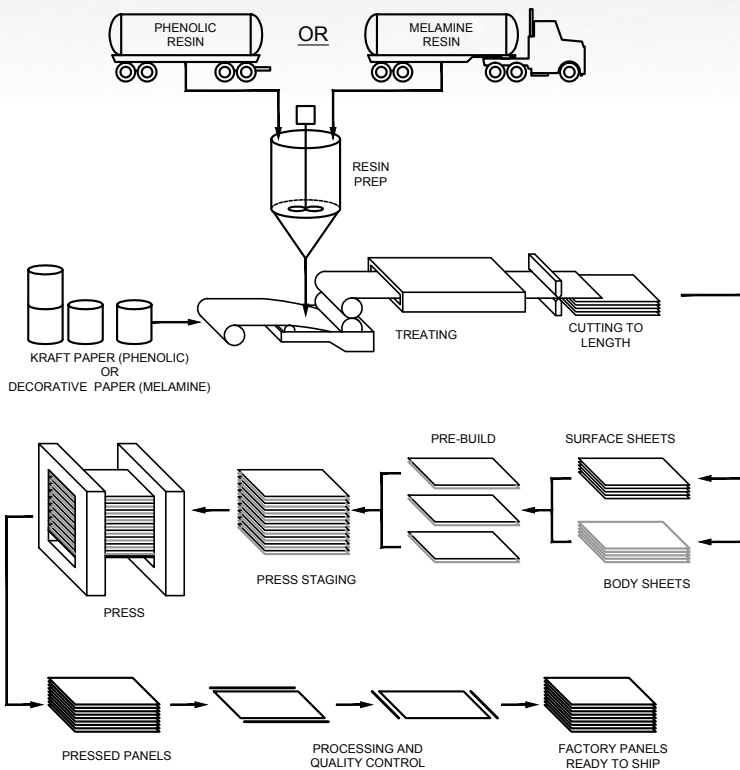


# HOW MEG PANELS ARE MADE

MEG's exterior grade phenolic (EGP) panels are rigid, homogenous flat panels that consist of a core of Kraft paper and an exterior layer of decorative paper. These cellulose fibers are impregnated with thermosetting phenolic and melamine resins and are bonded together with heat and high pressure, giving MEG panels integral properties and fire resistive qualities that make them ideal for use in exterior cladding systems.

## Here is a brief overview of the process:

- One-ton rolls of Kraft and decorative papers are placed on huge rollers called unwind stands.
- The papers are unwound and treated. The Kraft paper that will make up the panel's core is treated with a phenolic resin and the decorative paper that will make up the panel's exterior is treated with melamine thermosetting resin.
- Paper is treated as necessary to withstand ultraviolet rays.
- The treated sheets are cut to length and several sheets of Kraft paper are hand-collated together with the decorative paper to make a panel. Approximately 50 sheets of Kraft paper and one decorative sheet are needed to make a standard 10mm MEG panel.
- After collating, the panels go through a press cycle where they are baked at 325° under 1200 PSI. During this process, a cross-linking chemical reaction occurs and the phenolic and melamine resins bond to each other.
- Then, the panels are factory-trimmed and shipped to our warehouse in New Jersey.



\* It is important to note that panels are shipped with a factory edge. All panels require complete fabrication as specified by the building design prior to installation.