

# WORKLITE® PHC HEXKORE™ SPECIFICATIONS

## PRODUCT CHARACTERISTICS

Worklite PHC Hexkore reduces material weight up to 78%\* by capturing a lightweight core between two thin high-density faces, resulting in a high strength to weight ratio. The paperboard honeycomb's 3/8" hex cell structure provides impact resistance and compressive strength, while being 100% recyclable and biodegradable, making it a Sustainable Certified Forest Product.\*\* Finish the panel with high-pressure laminates, veneers, metals and many other semirigid materials as well as stain or paint.

\*Compared to conventional panels made of plywood, particle board and MDF

\*\*Per the Sustainable Forestry Initiative Program

## CORE MATERIAL OPTIONS

### Standard

PHC Hexkore (Paperboard Honeycomb) – 3/8" Hex cell structure

## FACE MATERIAL OPTIONS

**Standard:** Eucalyptus Hardboard

**Options:** Fiberboard  
Poplar Plywood

## DECORATIVE SURFACING MATERIALS

High-Pressure Laminates (vertical, post formable, standard)

Veneer

Metal

Stained

Painted

Other Similar Materials

## ADHESIVE OPTIONS

1. Any contact cement recommended for use with decorative laminates or veneers should be acceptable when using a J-roller (Solvent or water-based system are both satisfactory)
2. PVA glue is acceptable for attaching decorative surfacing material when using a press machine.  
[Note:](#) It is best to test a small sample to determine how materials will work together before proceeding.

## LAMINATING PRESSURE

### Contact Adhesive

Apply contact adhesive to both materials.

Use LIGHT TO MODERATE pressure when bonding the decorative surfacing material to Worklite.

Use firm hand pressure or moderate pressure with a J-roller.

### PVA Glue

Apply glue to one side only, either decorative surfacing material or Worklite material will work.

The use of PVA adhesive with a cold press is recommended.

Adequate uniform pressure should be applied.



Recommended Pressure: 8-10 PSI for PHC Hexkore

Drying Time & Temperature: Use glue manufacturer's recommendations.

**DO NOT** exceed 10 psi for PHC Hexkore. It's best to test to determine what is best for lamination material.

**IMPORTANT:** To maintain balance and stability, apply equal material to both sides.

## FACTORY FRAME AND INTERNAL BANDING OPTIONS

Custom frames and internal bands can be added during the manufacturing process.

**Materials:** Solid Finger Jointed Lumber, MDF, Particleboard or Plywood

### Procedure

1. Submit Drawing Showing:
  - a. Width and location of frame and interior bands
  - b. Overall panel length, width, and thickness
2. May require additional information to ensure desired outcome

Due to the custom nature of this process, there may be minimum requirements along with set up charges based on size variety and quantities. Please contact Kerfkore for more information about construction and size availability.

## CONDITIONING & STORAGE

Proper conditioning and storage are extremely important.

1. **IMPORTANT:** Store panels on a flat uniform surface away from direct contact with the floor. This will allow for proper air circulation.
2. Use a cover sheet to maintain uniform moisture levels. A small amount of weight is required to keep the cover sheet tight during storage.
3. When storing panels vertically, make sure there **NO** excessive weight on either side.
4. If panels are loose, place support sticks between panels to provide even air flow on both sides.

## MOISTURE RESISTANCE

PHC Hexkore is **NOT** moisture resistant.

## FLAME SPREAD TEST

PHC Hexkore is **NOT** fire resistant.

## Oversized Panels

**Sizes:**

**Internal Frame Options:**

**Face Material Options:**

Up to 5' X 12'

MDF, Particle Board or Solid Finger Jointed Wood

MDF (4' x 12', 5' x 12') and Hardboard (4' X 12')

Other face materials may be available on request.

## WORKLITE PHC HEXKORE CLASSIFICATION AND DIMENSIONS

Item #	Core Material	Face Material	Face Thickness	Nominal Panel Size	Thickness	Weight/ Square Foot
HK70HB08	PHC Hexkore	Hardboard	0.08"	48" x 96"	11/16"	1.1lb.
HK75FB12	PHC Hexkore	Fiberboard	1/8"	48" x 96"	3/4"	1.4lb.
HK75PP12	PHC Hexkore	Poplar Plywood	1/8"	48" x 96"	3/4"	0.7lb.

Additional technical information available at: [www.kerfkore.com](http://www.kerfkore.com).