

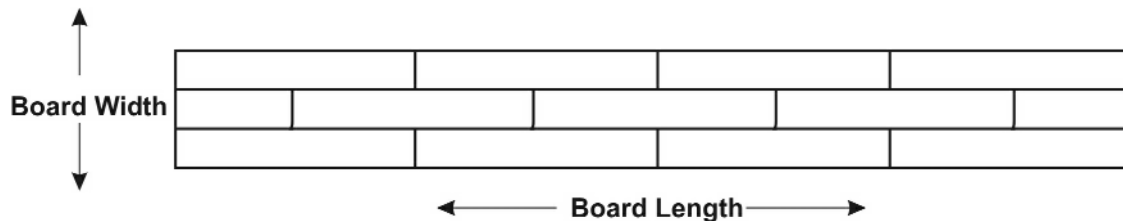
## Required Expansion Reference Chart - (U.S. Standard)

**Purpose:** To ensure proper expansion space around all walls, doors and obstructions for 9/16" and 5/8" thick (Linnea) flooring.

### Required Expansion

- Rules:**
- (1) Kährs requires 1/16" of expansion space for every 3' of Connected Area width or 9' of Connected Area length (whichever is greater). This expansion space must be left around all walls, doors and obstructions. Minimum expansion requirement is 1/2".
  - (2) No connected flooring can span greater than 40' in width or 120' in length.

- Notes:**
- (1) **Connected area** is defined as all areas connected without a break. If Room **A** and Room **B** both are to have flooring installed and are directly connected, or connected by a hallway, without a t-molding, the **connected area** is the width of both Room **A** and Room **B**, and the hall way (if applicable). Obstructions can include cabinets, islands, and the wall opposite the starting wall in the same room, if the flooring continues to another room without a break. Multiple calculations may need to be made to best determine the amount cut from the starting row.
  - (2) The direction of the flooring must be determined prior to calculating the required expansion space. The Connected Area width is parallel to the board width. The Connected Area length is parallel to the board length.



Required Expansion Reference Chart			
Connected Area Width	Required Expansion Space*	Connected Area Length	Required Expansion Space*
up to 24'	1/2"	up to 72'	1/2"
24'-40'	3/4"	72'-120'	3/4"

\* Determine the required expansion space for both width and length, then use the larger of the 2 on all sides, and around all obstructions.