TABLE 722.6.2(1) TIME ASSIGNED TO WALLBOARD MEMBRANES^{a, b, c, d}

| DESCRIPTION OF FINISH | TIME ^e (minutes) |
|--|-----------------------------|
| ³ / ₈ -inch wood structural panel bonded with exterior glue | 5 |
| 15/ ₃₂ -inch wood structural panel bonded with exterior glue | 10 |
| ¹⁹ / ₃₂ -inch wood structural panel bonded with exterior glue | 15 |
| ³ / ₈ -inch gypsum wallboard | 10 |
| ¹ / ₂ -inch gypsum wallboard | 15 |
| ⁵ / ₈ -inch gypsum wallboard | 30 |
| ¹ / ₂ -inch Type X gypsum wallboard | 25 |
| ⁵ / ₈ -inch Type X gypsum wallboard | 40 |
| Double ³ / ₈ -inch gypsum wallboard | 25 |
| ¹ / ₂ -inch + ³ / ₈ -inch gypsum wallboard | 35 |
| Double ¹ / ₂ -inch gypsum wallboard | 40 |

For SI: 1 inch = 25.4 mm.

- a. These values apply only where membranes are installed on framing members that are spaced 16 inches o.c. or less.
- b. Gypsum wallboard installed over framing or furring shall be installed so that all edges are supported, except \$\frac{5}{8}\$-inch Type X gypsum wallboard shall be permitted to be installed horizontally with the horizontal joints staggered 24 inches each side and unsupported but finished.
- c. On wood frame floor/ceiling or roof/ceiling assemblies, gypsum board shall be installed with the long dimension perpendicular to framing members and shall have all joints finished.
- d. The membrane on the unexposed side shall not be included in determining the fire resistance of the assembly. Where dissimilar membranes are used on a wall assembly, the calculation shall be made from the least fire-resistant (weaker) side.
- e. The time assigned is not a finished rating.

TABLE 722.6.2(2) TIME ASSIGNED FOR CONTRIBUTION OF WOOD FRAME a, b, c

| DESCRIPTION | TIME ASSIGNED TO FRAME (minutes) |
|---|----------------------------------|
| Wood studs 16 inches o.c. | 20 |
| Wood floor and roof joists 16 inches o.c. | 10 |

For SI: 1 inch = 25.4 mm.

- a. This table does not apply to studs or joists spaced more than 16 inches o.c.
- b. All studs shall be nominal 2×4 and all joists shall have a nominal thickness of not less than 2 inches.
- c. Allowable spans for joists shall be determined in accordance with Sections 2308.4.2.1, 2308.7.1 and 2308.7.2.

TABLE 722.6.2(3) MEMBRANE® ON EXTERIOR FACE OF WOOD STUD WALLS

| SHEATHING | PAPER | EXTERIOR FINISH |
|--|-----------------|---|
| 5/ ₈ -inch T & G lumber 5/ ₁₆ -inch exterior glue wood structural panel 1/ ₂ -inch gypsum wallboard 5/ ₈ -inch gypsum wallboard 1/ ₂ -inch fiberboard | Sheathing paper | Lumber siding |
| | | Wood shingles and shakes |
| | | ¹ / ₄ -inch fiber-cement lap, panel or shingle siding |
| | | ¹ / ₄ -inch wood structural panels-exterior type |
| | | ¹ / ₄ -inch hardboard |
| | | Metal siding |
| | | Stucco on metal lath |
| | | Masonry veneer |
| | | Vinyl siding |
| None | _ | ³ / ₈ -inch exterior-grade wood structural panels |

For SI: 1 inch = 25.4 mm.

a. Any combination of sheathing, paper and exterior finish is permitted.