



FIRE RESISTANCE & ACOUSTIC PERFORMANCE

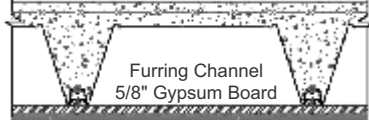
ComSlab® FIRE RATINGS & TESTED ACOUSTICAL PERFORMANCE

FIRE SAFETY PERFORMANCE TESTS

Unprotected Fire Rated Assemblies



Protected Fire Rated Assemblies



Design No.	Rating HR*	Minimum Concrete Topping	Total Slab Depth	Assembly
ULC D500	2.0	90 mm	293 mm	Protected
ULC F909	1.0	64 mm	267 mm	Unprotected
ULC F918	1.5	90 mm	293 mm	
ULC F918	2.0	110 mm	313 mm	Protected
UL D504	2.0	3.50 in.	11.5 in.	
UL D930	1.0	2.50 in.	10.5 in.	Unprotected
UL D930	1.5	3.50 in.	11.5 in.	
UL D989	2.0	4.25 in.	12.25 in.	

* Valid for both restrained condition (no span limitation) and unrestrained condition (up to 32'10").

NOTES ON FIRE RESISTANCE RATINGS: All rated assemblies are determined on the basis of results of tests conducted in accordance with **CAN/ULC S101** (Canada) and **UL 263** (USA) fire endurance tests of building construction and materials. Testing conducted using full-scale built floors, loaded to capacity and subjected to the standard time-temperature curve of 1,260°C.

ACOUSTICAL PERFORMANCE

<p>STC 47 NGC # 5009077 IIC 21 NGC # 7009076</p> <p>Top of concrete slab Comslab Deck</p>	<p>STC 56 NGC # 5009050</p> <p>Top of concrete slab Comslab Deck 7/8" Furring channel @ 24" o.c. attached to ribs @ 24" o.c. 5/8" Type X Gypsum board</p>	<p>STC 58 NGC # 5009047</p> <p>Top of concrete slab Comslab Deck 1/2" Resilient channel @ 24" o.c. attached to ribs with sappers @ 24" o.c. 5/8" Type X Gypsum board</p>
<p>STC 59 NGC # 5009048 IIC 33 NGC # 7009078</p> <p>Top of concrete slab Comslab Deck 1/4" Rubber Pad @ Furring channel fast point 48" 7/8" Furring channel @ 24" o.c. attached to ribs @ 24" o.c. 5/8" Type X Gypsum board</p>	<p>STC 49 NGC # 5014012</p> <p>Top of concrete slab Comslab Deck</p>	<p>STC 58 NGC # 5014013 IIC 31 NGC # 7014020</p> <p>Top of concrete slab Comslab Deck 7/8" Furring channel @ 24" o.c. attached to ribs @ 24" o.c. 5/8" Type X Gypsum board</p>
<p>STC 51 NGC # 5014039</p> <p>Top of concrete slab Comslab Deck</p>	<p>STC 57 NGC # 5014038</p> <p>Top of concrete slab Comslab Deck 7/8" Furring channel @ 24" attached to ribs @ 24" o.c. 5/8" Type X Gypsum board</p>	<p>STC 61 NGC # 5014048 IIC 39 NGC # 7014059</p> <p>Top of concrete slab 1/4" Rubber Pad @ Furring channel fast point 48" Comslab Deck 7/8" Furring channel @ 24" o.c. attached to ribs @ 24" o.c. 5/8" Type X Gypsum board</p>

NOTES ON ACOUSTICAL PERFORMANCE: Acoustic tests are based on **ASTM E90 (STC)** and **ASTM E492 (IIC)**. Sound loss and sound transmission are measured by a series of instruments from which the ratings are calculated for design.