

EXPERIENCE INNOVATION WITH
HOLLOWCORE



APPLICABLE FOR:

RESIDENTIAL
COMMERCIAL
CIVIL
INDUSTRIAL
INSTITUTIONAL
AGRICULTURAL



FRITZ-ALDER
PRECAST

What is Hollowcore?

Quality and precision, every time

Hollowcore is extruded pre-stressed precast concrete used for floor and roof systems. The pre-stressed strands reduce the amount of reinforcement typically required for comparable spans. The slabs have continuous voids throughout, reducing weight, increasing load capacity and lowering cost. Hollowcore is engineered in such a way that, despite having voids, the product delivers immense strength and load bearing capability.

The Fritz-Alder Precast Advantage

Fritz-Alder Precast introduces the world's most advanced technology, shear compaction, to the Ontario market. Shear compaction eliminates vibrating in the extruder, resulting in controlled consistency between slabs and reducing differential camber.

Our hollowcore equipment provides maximum flexibility with sections, strand patterns and thicknesses (6" - 16"). Fritz-Alder Precast offers clients the most hollowcore options in the market to best match your project requirements.

Benefits of Hollowcore

- Consistent quality & precision
- Controlled casting conditions
- Exceeds provincial fire ratings
- Sound resistant
- Longest span-to-depth ratios
- Voids allow access for trades
- Can be used as finished ceilings
- All weather installation
- Speed of construction
- Once installed, floors provide trades with an instant working platform
- Fewer hours on site - reduces project risk





Fritz-Alder Precast's **state-of-the-art** manufacturing facility enables production of Hollowcore slabs with a reduced differential camber, and **profiles unique to the industry**. Asymmetrical voids - instead of circular voids - make the product lighter, stronger, more efficient, and have superior loading capabilities. Hollowcore can also be used as a finished ceiling.



Typical Hollowcore profile



Fritz-Alder Precast Hollowcore profile

FRITZ-ALDER PRECAST 305 mm Hollowcore Metric Load Table*

Simple Span - Centre to Centre of Span - Metres																	
Strand Code	9.4	10.1	10.4	11.0	11.6	11.9	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2
5 - 1/2"	6.6	5.4	4.9	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-
6 - 1/2"	8.4	7.0	6.4	5.4	4.5	4.1	3.7	-	-	-	-	-	-	-	-	-	-
4 - 1/2" + 2 - 0.6"	9.8	8.3	7.6	6.4	5.4	5.0	4.6	4.2	3.8	-	-	-	-	-	-	-	-
7 - 1/2"	10.2	8.6	7.9	6.7	5.7	5.2	4.8	4.4	4.0	3.7	-	-	-	-	-	-	-
2 - 1/2" + 4 - 0.6"	11.2	9.5	8.7	7.4	6.3	5.8	5.4	5.0	4.6	4.2	3.9	-	-	-	-	-	-
8 - 1/2"	11.9	10.1	9.3	8.0	6.8	6.3	5.8	5.4	5.0	4.6	4.2	3.9	3.6	-	-	-	-
6 - 1/2" + 2 - 0.6"	13.2	11.3	10.4	8.9	7.7	7.1	6.6	6.1	5.7	5.3	4.9	4.5	4.2	3.9	3.6	-	-
9 - 1/2"	13.5	11.6	10.7	9.2	7.9	7.3	6.8	6.3	5.9	5.4	5.0	4.7	4.3	4.0	3.7	-	-
10 - 1/2"	13.7	13.0	12.0	10.4	8.9	8.3	7.8	7.2	6.7	6.3	5.8	5.4	5.0	4.7	4.4	4.1	3.8
8 - 1/2" + 2 - 0.6"	14.1	12.7	12.3	11.2	9.7	9.0	8.4	7.9	7.3	6.8	6.4	6.0	5.6	5.2	4.8	4.5	4.2

MARKET AVERAGE 305 mm Hollowcore Metric Load Table*

Simple Span - Centre to Centre of Span - Metres																	
Strand Code	9.5	10	10.5	11	11.5	11.75	12.25	12.5	12.75	13	13.5	13.75	14	14.25	14.5	14.75	15.25
5 - 1/2"	6.1	5.2	4.4	3.7	3.1	2.7	-	-	-	-	-	-	-	-	-	-	-
6 - 1/2"	7.7	6.6	5.7	4.9	4.2	3.7	3.3	3.0	2.8	-	-	-	-	-	-	-	-
4 - 1/2" + 2 - 0.6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 - 1/2"	9.2	8.0	7.0	6.0	5.2	4.7	4.2	3.9	3.6	3.4	2.9	2.6	2.4	-	-	-	-
2 - 1/2" + 4 - 0.6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 - 1/2"	10.6	9.3	8.1	7.0	6.2	5.6	5.0	4.7	4.4	4.1	3.5	3.3	3.0	2.8	2.6	2.4	1.1
6 - 1/2" + 2 - 0.6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 - 1/2"	12.3	10.7	9.5	8.3	7.3	6.6	6.0	5.7	5.3	5.0	4.4	4.1	3.8	3.6	3.3	3.1	2.7
10 - 1/2"	12.7	11.2	9.8	8.6	7.6	6.9	6.3	5.9	5.6	5.2	4.6	4.3	4.0	3.8	3.5	3.3	2.8
8 - 1/2" + 2 - 0.6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Total uniformly distributed superimposed service load (kPa).

Fritz-Alder Precast

We've got this!

Elite customer service starts with a quality product that everyone can be proud of and a Fritz-Alder Precast commitment to deliver cost-effective solutions to our customers.

We strive to create unique, value engineered precast possibilities for your project by combining our advanced technical knowledge with continuous innovation.



Our promise to customers:
Be relentless in our pursuit
of **quality** and **precision**,
from design to manufacturing
to installation

Our experience in precast

Established

1972

From barns to solar to nuclear containers to superstructures, Fritz-Alder Precast has completed projects in all different shapes and sizes. Our years of experience in the precast concrete industry dates back to 1972.

Make us part of your team

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