



ACCESS

WINDOW AND DOOR
— DESIGN CENTRE —

Windows and doors designed *for life.*



Not All Vinyl is Created Equal

STRONG. ENERGY EFFICIENT. IMPECCABLY COMFORTABLE

Access uses the GENE0 Profile which is the first fully reinforced polymer window profile system that doesn't rely on steel for its strength. Instead, it's composed of RAU-FIPRO™; a proprietary fibre composite material similar to those used in aeronautic construction and racing vehicles for outstanding strength and load capacities. RAU-FIPRO™ uses both Fibreglass and PVC, giving you the best of both worlds.



Access Windows and Doors:

A CONCEPT OF UNMATCHED INTEGRITY

With the right windows in your home, you can enjoy the highest level of comfort without sacrificing style. With Access Windows and Doors, you can rely on our superior quality windows for today, tomorrow and for years to come.

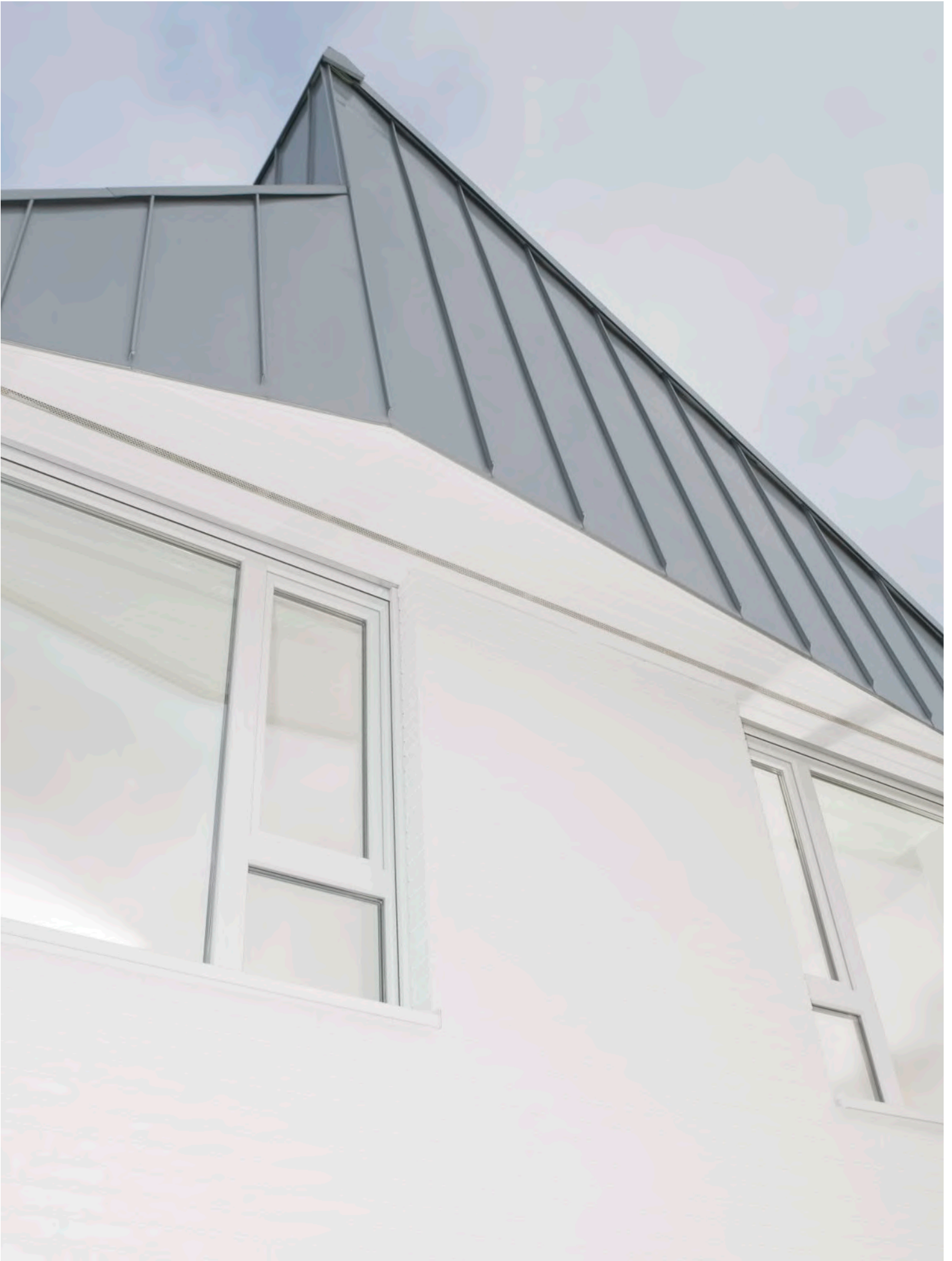
With our extensive collection of products, Access Window and Door Design Centre is sure to have an option that is right for you.

We proudly offer REHAU's unique GENE0 profile design and high-tech RAU-FIPRO™ material; which together are an unsurpassed team. This modern technology allows you to open your home to the beauty of the outdoors while keeping out harsh weather and unwanted noise.

Design the home of your dreams with Access Windows and Doors.

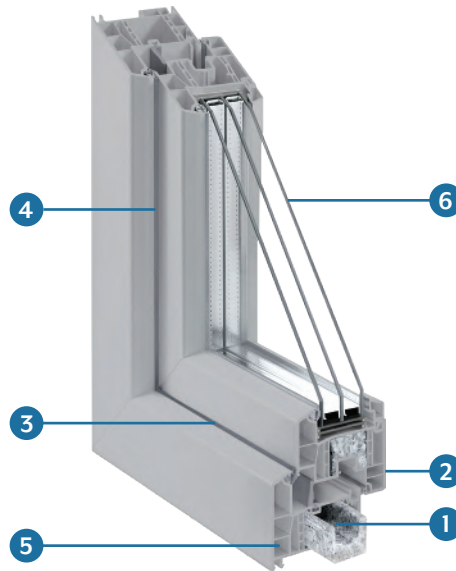






Access Tilt + Turn Windows

WINDOW DESIGN AT ITS BEST



1 RAU-FIPRO™ Profile Core

This profile core achieves excellent stability and torsional rigidity making it possible to build larger windows without the typical steel reinforcement that can compromise thermal insulation.

3 Innovative Compression-Seal Technology

This technology reduces closing pressure significantly, making window operation easy and extending the service life. The three seals are strategically located to provide maximum insulation.

5 Integrated Reinforcement System with Screw Bosses

This patented system ensures the highest degree of strength at all critical points, using screw channels and additional lateral stiffening.

2 Six-Chambered Frame

This frame provides outstanding thermal insulation, surpassing the requirements of the U.S. Department of Energy R-5 Window Program and making the achievement of German Passivhaus standards possible, as well as achieving U-values as low as 0.13.

4 Multiple Locking Points Surrounding the Sash

Provide extra security, tighter seal, and greater comfort.

6 Triple Pane Glass with Double LoE Soft and Double Argon

Accommodates triple glazing, increasing energy efficiency, thermal and acoustic properties.



Tilt



Turn



Closed

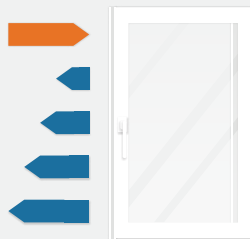
Tilt + Turn designs are three windows styles in one:

- A SECURE TOP-VENTING HOPPER IN THE TILT POSITION.
- AN INWARD OPENING CASEMENT IN THE TURN POSITION.
- A TIGHTLY SEALED FIXED WINDOW WHEN CLOSED.



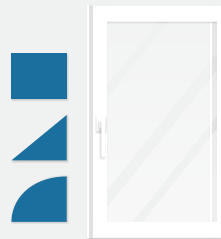
Access Window and Door products are designed for the eco-conscious home or building owner serious about energy efficiency:

Our innovative, high-tech RAU-FIPRO™ profile and unique profile design takes the tilt + turn technology to its highest levels of strength and thermal performance, while the 40% lighter profile reduces transportation and installation costs.



THERMAL INSULATION

- U-value down to 0.13



DESIGN FREEDOM

- Custom architectural shapes and colour selection
- Slim-line profiles with generous glass surfaces



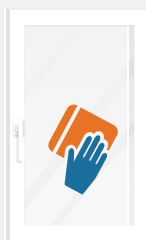
FORCED-ENTRY RESISTANCE

- Up to Grade 20 (per ASTM F588) without compromising thermal insulation



ACOUSTIC INSULATION

- STC Up to 45



EASE OF MAINTENANCE

- High-definition finish (HDF) without compromising thermal insulation
- Innovative compression-seal technology significantly reduces closing force



COMFORT

PERFORMANCE SUMMARY

- NAFS: up to CW-PG70
- ASTM E90 Acoustical (STC): up 45 dB
- U-factor down to 0.13*
*based on simulation





Access Exterior Doors

Access exterior doors provide top performance and intelligent design without sacrificing style.

The doors are beautiful, durable, energy efficient and engineered to perform. Access exterior doors are available in an extensive variety of styles, colours and configurations to best suit your needs.

CUSTOMIZABLE

Access works with each one of their clients to design the perfect door for their home or building.



EXTERIOR DOOR ADVANTAGES

■ SOLID CONSTRUCTION

Insulated 44mm fibreglass panels are available in different designs and treated for UV protection.

■ FRAME & SASH

Built from RAU-FIPRO™ material which is a fiber-composite similar to those employed in aerospace and racing vehicles for outstanding strength and torsional rigidity. The fiber-infused core expands / contracts 60% less than standard uPVC products.

■ FUSION-WELDED CORNERS

In addition to the benefits of uPVCs thermal properties, fusion-welded corners greatly reduce leakage potential and the need for costly sill pans/pan flashing systems.

■ 3D ADJUSTABLE HEAVY DUTY HINGES

Exact door leaf fitting in the door frame thanks to the three dimensional adjustment. Patented hinge-side safety-devices prevent unauthorized unHINGING.

■ MULTIPLE LOCKING POINTS

Multi-point locking hardware assures consistent compression on the seals all around the perimeter of the sash and frame for further performance enhancements and improved security.

■ COMPRESSION-SEAL TECHNOLOGY

Compression seals optimize the air and water performance of our doors through extreme weather.

■ HIGH-DEFINITION FINISH

Only occasional cleaning with soap and water is needed to keep the surfaces looking like new; even years after installation.

■ OPTIONAL GLASS

High-performance triple pane sealed units with double LoE coatings and Argon Gas with manufacturer warranty of 20 years. Decorative glass inserts are also available.



Forced Entry: Increase Security with Access

FEEL SECURE WITHIN YOUR OWN FOUR WALLS

ACCESS WINDOWS AND DOORS PROVIDE SUPERIOR SECURITY WITHOUT COMPROMISING MAXIMUM THERMAL INSULATION.

Thanks to the strength of RAU-FIPRO™ fibre-composite material, our window and door designs achieve FER Grade 20 per NAFS-11.



HIGH LEVELS OF SAFETY WITH SUPERIOR SECURITY FEATURES

In combination with the appropriate hardware, Access windows and doors enhance security with multiple locking points, fusion-welded corners and a multi-chambered design. Enjoy the security you are looking for.







Thermal Insulation

PERMANENTLY REDUCE YOUR ENERGY CONSUMPTION
& SAVE WITH ACCESS WINDOWS & DOORS

ACCESS PROVIDES THE OPTIMAL CONDITIONS FOR SAVING ENERGY

You can significantly reduce the amount of energy you use which will save you money every day, every month, every year.

With a 3 3/8" (86 mm) frame depth, multiple chambers and triple-pane insulating glazing and multi-locking points, Access can help you achieve building energy targets as strict as those required by the German Passivhaus standard.

Choosing the right window is the first step toward a more energy efficient future.



SAVE ENERGY EASILY WITH BETTER THERMAL PERFORMANCE

Reducing energy usage is important, not only for your bank account but also on a larger scale when it comes to sustainable building.

Lower energy consumption with a good conscience - regardless of external temperatures.

	U-value Framing	Window U-value
ACCESS Standard (dual pane, LoE)	down to 0.17	down to 0.15
ACCESS with thermal inserts	down to 0.15	down to 0.14
ACCESS according to Passivhaus	down to 0.14	down to 0.13



Acoustics: Keep the noise out

GIVE YOUR BODY AND MIND A BREAK

WITH ACCESS WINDOWS, YOU'LL BE AMAZED HOW QUIET YOUR HOME FEELS

Whether you're in a quiet residential neighbourhood, on a busy street, or near an airport, Access windows and doors make your home a place of quiet relaxation (with an STC (Sound Transmission Class) Rating of up to 45dB).



ENSURE PEACE AND QUIET: WITH A VIEW ON MUTE

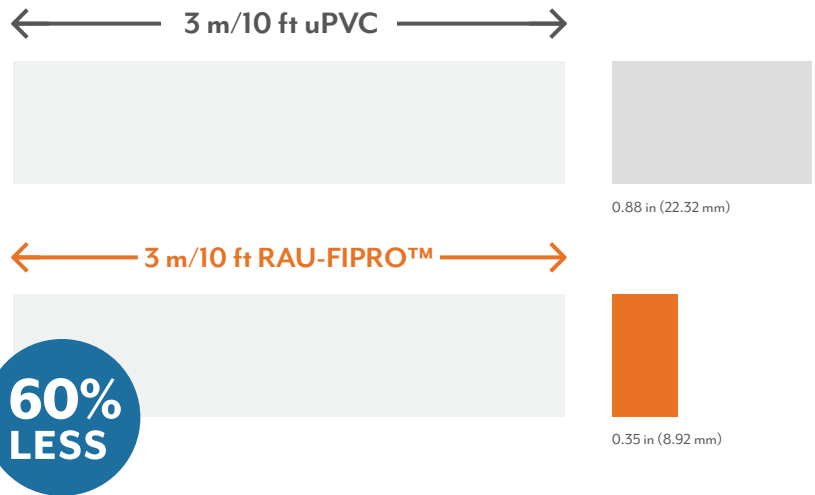
Noise is disturbing and over time, it can even be unhealthy. Access windows and doors will increase your feeling of well-being with previously unattained values in noise protection.



Nothing Compares to RAU-FIPRO™

Fibre composites in our window and door profiles are specifically used as profile core and effortlessly ensure excellent stability and torsional rigidity. The fibre-infused core significantly lowers the expansion and contraction compared to those of standard uPVC.

Inherent qualities like these allow hassle-free colour applications in all climates.



COMPARISON OF CONTRACTION/EXPANSION: uPVC vs. RAU-FIPRO™

PVC Linear Thermal Expansion Coefficient **0.080 mm/mK**
 RAU-FIPRO™ Linear Thermal Expansion Coefficient **0.032 mm/mK**

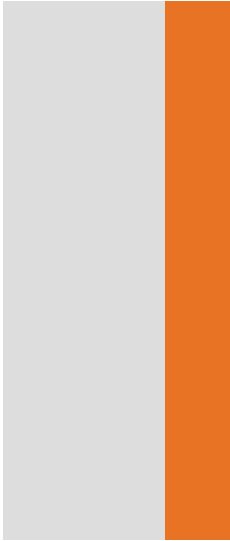
RAU-FIPRO™ expands/contracts 60% less than uPVC, allowing for hassle-free colour application

Hot Temperature Manitoba Summer **+35 C (95 F)**
 Cold Temperature Manitoba Winter **-35 C (-31 F)**
Temperature Variation 70 C (126 F)

Expansion/Contraction of 3m uPVC **0.080 x 70 C x 3m = 16.8mm**
 Expansion/Contraction of 3m RAU-FIPRO™ **0.032 x 70 C x 3m = 6.72mm**
Expansion/Contraction 60% less (RAU-FIPRO™)



← uPVC →
32 x 71 in
(820 x 1800mm)



← uPVC →
36 x 71 in
(920 x 1800mm)



**33%
BIGGER**

← RAU-FIPRO™ →
47 x 71 in
(1200 x 1800mm)

← RAU-FIPRO™ →
54 x 71 in
(1370 x 1800mm)

ONLY RAU-FIPRO™ ALLOWS FOR:

- Excellent stability and torsional rigidity
- Exceptional sash dimensions without compromising thermal, strength & sound performance
- Hardware fastening into fibre-reinforced uPVC walls to ensure equal pull-out retention to steel reinforcement
- Reduced need for steel reinforcement even in bigger units
- Easier handling and assembly
- Hassle-free colour applications

Together GENE0 and RAU-FIPRO™ provide benefits reduced expansion and contraction with enhanced structural rigidity while maintaining superior weld and bend abilities.

GENE0 and RAU-FIPRO™ together with Access Window and Door is design at it's best.

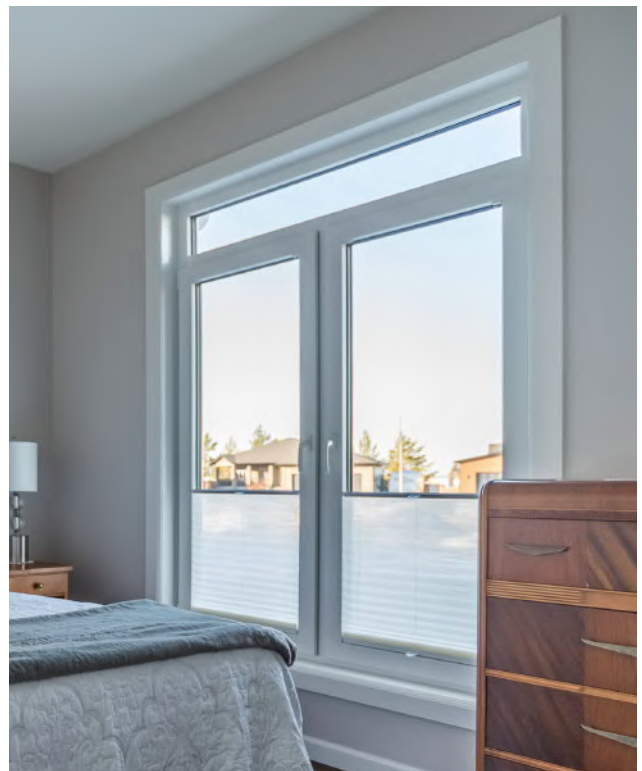
COMPARISON OF UNIT SIZES: uPVC vs. RAU-FIPRO™

Moment of Inertia uPVC Sash	0.224 cm ⁴
Moment of Inertia RAU-FIPRO™ Sash	0.73 cm ⁴

RAU-FIPRO™ achieves 3x the structural strength of uPVC, allowing for larger unit sizes without the use of steel reinforcement.

uPVC Unit Size	32 x 71in (820 x 1800mm)
RAU-FIPRO™ Unit Size	47 x 71in (1200 x 1800mm)
Unit Size	32% bigger (RAU-FIPRO™)

uPVC Unit Size	36 x 71in (920 x 1200mm)
RAU-FIPRO™ Unit Size	54 x 71in (1370x1200mm)
Unit Size	33% bigger (RAU-FIPRO™)



Convenience: Lower Maintenance

SMOOTH SURFACES THAT ARE EASY TO CLEAN

WITH EASY TO CLEAN, LOW MAINTENANCE WINDOWS AND DOORS, ACCESS GIVES YOU MORE FREE TIME TO ENJOY YOUR HOME.

The high-definition finish of profiles we use for our windows and doors clean quickly and easily with mild detergent and water. Maintenance is a breeze with nothing more than a few drops of oil for the hardware and some silicone for the seals required.

MINIMIZE MAINTENANCE:

WITH EASE OF OPERATION AND EASE OF CLEANING

Thanks to our high-quality, high-definition finish (HDF), smudges can be quickly and easily removed using conventional detergents. As far as maintenance, the occasional application of a quality lubricant to the moving parts, such as hinges and locking mechanisms, is all that is needed. The highly engineered sealing technology assures optimal closing pressure.



Design: Emphasize Your Style

CREATE WINDOWS THAT MEET YOUR NEEDS

ACCESS WINDOWS AND DOORS SHAPE HOMES FROM THE INSIDE AS WELL AS THE OUTSIDE.

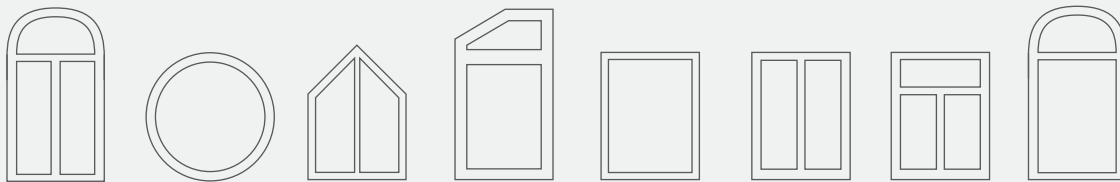
Choose between classic white, popular solid colours or luxurious wood grain patterns. Access windows allow you to completely customize your space by offering windows that allow for different colours on the inside and outside of your home or you can choose to keep them the same colour for both.

Access windows and doors also offer great flexibility in the shapes of windows available. They can be made in various options with large glass surfaces that let in plenty of natural light.




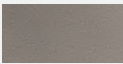
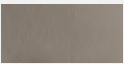


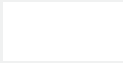
EXPERIENCE CREATIVE FREEDOM: WITH COUNTLESS SHAPES AND COLOURS

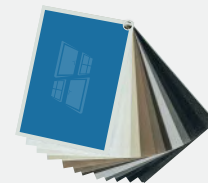
Access offers a wide variety of customized shapes for your windows:

- ROUND
- HALF ROUND
- TRIANGULAR
- RAKE TOP
- ELLIPSOIDAL



In addition to the shapes available, Access also offers extensive design variations with brilliant colours and patterns that will liven up any building interior or exterior. **Access allows you to get creative with countless design options.**

WOOD	 Dark Oak	 Oak Colonial			
SOLID	 North American Bronze	 Silver	 Brushed Silver	 Jet Black	 Black Brown
PROFILE	 White				



Additional colors, woodgrains and textures are available.



Access Window and Door Design Center is committed to enhancing the ambiance of every space our products are installed. We're dedicated to delivering whole-home comfort, making us a top choice for new builds and renovations alike.

Our exclusive products are chosen by architectural and industry leaders to enhance the functionality and appearance of renovations and luxurious new builds.



ACCESS
WINDOW AND DOOR
DESIGN CENTRE

565 Cargill Road
Winkler, MB R6W 0K4

Office: +1 (800) 249 1216

Fax: +1 (204) 480 4863

Email: info@accesswd.ca