CERAMIC VENTILATED FACADES SYSTEMS

CERA
GRES

CERAMIC VENTILATED FACADES SYSTEMS

CHOOSE THE EXTERIOR CLADDING THAT CONTRIBUTES TO A GREENER FUTURE.

A facade is far more than just the protective shell of a building. Its design not only characterizes the building itself, but also influences – often visible from far away – the urban environment. Being one of the most durable and easy to clean materials, ceramic ventilated cladding is an indisputable choice for extreme northern climates. The appealing design, innovative system and high-quality German craftsmanship, KeraTwin® K20 has positioned our supplier Agrob Buchtal as one of the world leaders in contemporary architecture.

The variety of colours, formats and surface finishes, KeraTwin® K20 offers the architect enormous freedom of design. As diverse fastening alternatives ensure technical and structural versatility, this system offers the appropriate solution to any challenge even on difficult bases.

THE PERFECT SOLUTION: CURTAIN-TYPE, REAR-VENTILATED CERAMIC FACADES

SUN AND VISUAL PROTECTION

LESS WASTE ON SITE

SUSTAINABILITY
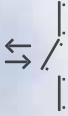
VARIETY OF DESIGN
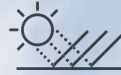
PROTECTION AGAINST HEAT AND COLD

ECONOMIC FEASIBILITY

FIRE SAFETY

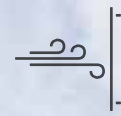**RESISTANCE TO FROST**

REPLACING INDIVIDUAL PANELS

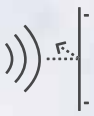**LIGHT AND COLOURFAST**

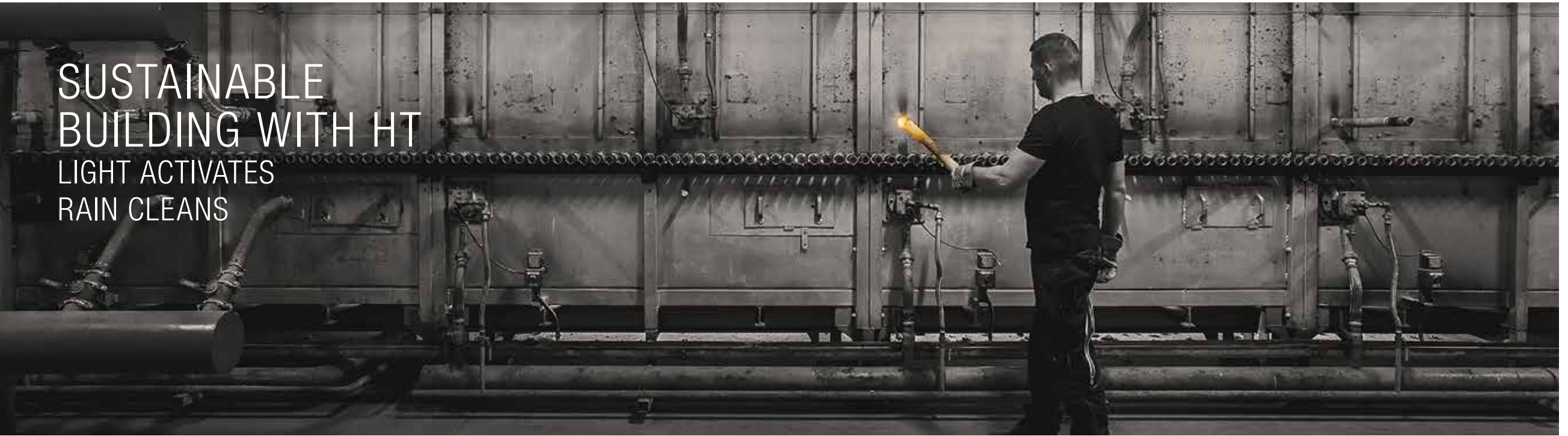**ANTI-GRAFFITI**

EARTHQUAKE-SAFE

DESIGN LOADS

NOISE PROTECTION

SUSTAINABLE BUILDING WITH HT
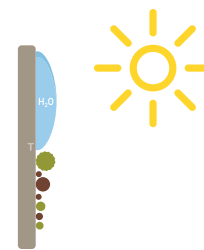## LIGHT ACTIVATES
RAIN CLEANS

HT TREATMENT:
FACADES WITH SELF-WASHING EFFECT

The ceramic ventilated cladding is a staple for commercial building facade projects. Being one of the most **durable** and **easy to clean** materials, it is an indisputable choice for extreme northern climates. KeraTwin® K20 ceramic panels are all coated with **the innovative HT (hydrophilic tile) coating technology**, which has exceptional antibacterial properties. The ceramic ventilated cladding stands out for its **contribution to the environment** and for taking a step towards **sustainable development**. Each building contributes to its own microclimate and uses light to actively breakdown pollutants, as well as industrial fumes and exhaust fumes.

Thanks to HT treatment and its antibacterial effect, algae, fungi and moss are decomposed. As soon as it rains, dirt and impurities are simply washed away by the self-washing effect in the case of glazed facade ceramics. This saves on maintenance costs in the life cycle of a building.
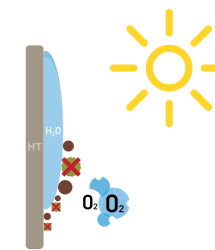
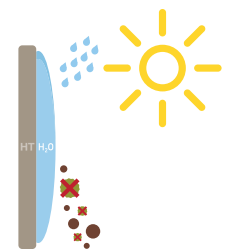| 1	2	3
The surface tension of the water is overcome. A thin water film forms.	By the action of the light, the catalyst activates oxygen. Microorganisms, algae, fungi and moss are decomposed.	When it rains, dirt and microorganisms are simply infiltrated and removed.

CERAMIC FACADE SYSTEMS FOR SUSTAINABLE RENOVATION

SERVICE AND EXPERTISE

Ceramic facade systems installed on the old facade like a second shell provide a sustainable, energy-efficient and aesthetic solution. In this way, diverse energy-saving requirements can be met, as the gap between the old and new facades provides space for insulation layers of any thickness. In addition, curtain-type facades offer ideal conditions for the visual enhancement of buildings, as they also allow for a building grid independent of the original structure. Thanks to the decoupling of the outer shell from the building structure, the living spaces remain cool in the summer and warm in the winter. The positive effects on quality of life are another benefit of this type of renovation.

LAURIE-EVE-CORMIER AQUATIC COMPLEX

BEFORE

AFTER
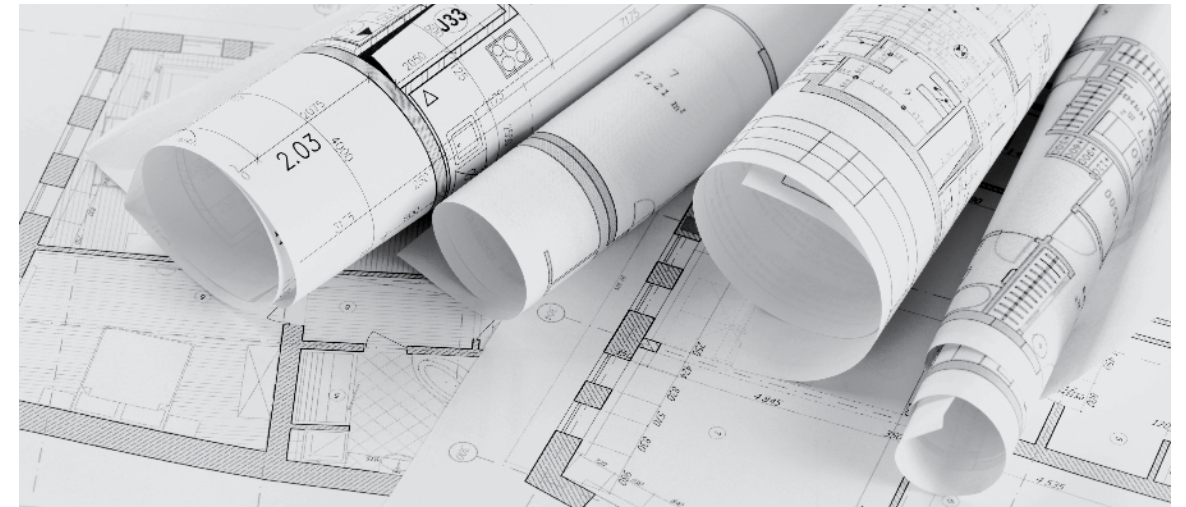
A reference in the world of design and architecture, Ceragres offers complete and diversified range of cutting-edge products, as well as technical support and a high level of service.

Ceragres product specialists facilitate the specification of Agrob Buchtal's KeraTwin® K20 system by providing technical support from the design phase to product installation. For more information, contact our team of experts.

– Preliminary meetings to assess needs
– Budget study
– Samples
– Support to architects and contractors
– Network of specialized and experienced installers
– Technical assistance of the manufacturer
– 10-year manufacturer warranty

CONDOMINIUMS
O CARTIER

Location:
LAVAL

Architects:
CONSORTIUM
LUPIEN + MATTEAU /
BARIN ARCHITECTURE + DESIGN

System:
KERATWIN® K20
—
HT Treatment

Colors:
Natura 415 N vulcan-grey H
Spectraview 4230 glacier-white, glossy H

Quantity:
55,000 ft²

LAURIE-EVE-CORMIER
AQUATIC COMPLEX

Location:
BOUCHERVILLE

Architects:
CONSORTIUM
RIOPEL + ASSOCIÉS ARCHITECTES /
POIRIER FONTAINE ARCHITECTES

System:
KERATWIN® K20
—
HT Treatment

Colors:
Spectraview 150 lemon-yellow H
Spectraview 4230 glacier-white, glossy H
Spectraview Blue Series

Quantity:
6,500 ft²

MAINTENANCE AND OPERATIONS CENTER – STO

Location:
GATINEAU

Architects:
COBALT ARCHITECTES

System:
KERATWIN® K20
—
HT Treatment

Colors:
Spectraview 4230 glacier-white,
glossy H
Spectraview 6271 BLUE 1H

Quantity:
33,000 ft²
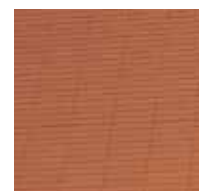
CCQ HEADQUATERS

Location: **MONTREAL**	Architects: **LEMAY**	System: **KERATWIN® K20** — **HT Treatment**	Colors: **Natura 415 N vulcan-grey H** **Natura 403 red H**	Quantity: **62,000 ft²**

ORDRE DES INFIRMIÈRES
ET INFIRMIERS DU QUÉBEC – OIIQ

Location:	Architects:	System:	Colors:	Quantity:
MONTREAL	LEMAY	KERATWIN® K20	Spectraview 4230 glacier-white, glossy H	13,000 ft²
		—		
		HT Treatment		

STINSON BUS GARAGE – STM

Location:	Architects:	System:	Colors:	Quantity:
MONTREAL	LEMAY	KERATWIN® K20	Spectraview 150 lemon-yellow H	25,000 ft²
		—	Natura 415 N vulcan-grey H	
		HT Treatment		

CENTRE SANTÉ RACINE

| Location:
CHICOUTIMI | Architects:
LES MAÎTRES D'ŒUVRE
HOVINGTON GAUTHIER
ARCHITECTES | System:
KERATWIN® K20
—
HT Treatment | Colors:
Spectraview 4230 glacier-white, glossy H | Quantity:
11,000 ft² |

AQUA
COMPLEX

Location:
DRUMMONDVILLE

Architects:
CONSORTIUM
POIRIER FONTAINE ARCHITECTES /
BILODEAU BARIL ASSOCIÉS

System:
KERATWIN® K20
—
HT Treatment

Colors:
Spectraview 6272 BLUE 2H

Quantity:
3,750 ft²

CONCEPTION BAY
SOUTH TOWN HALL

Location:
NEW FOUNDLAND

Architects:
JOHN HEARN ARCHITECT INC.

System:
KERATWIN® K20
—
HT Treatment

Colors:
Spectraview 4234 chalk-white H

Quantity:
5,200 ft²

SURFACES
FOR KERATWIN® K20

KeraTwin® K20 panels offer a variety of surfaces such as gloss, silky-matt and natural finishes. In addition, digital printing technology provides access to the production of stone, wood and metal looks.

SMOOTH

GROOVED PANEL

GROOVED PANEL POSITIVE

STRIPY PATTERN

SHED PROFILE
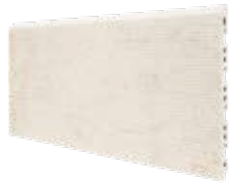
BRUSHED SURFACE

SINE WAVE

NEW WAVE

FORMATS
FOR KERATWIN® K20

Length: up to 1,800mm (in 1mm steps)	Height: up to 600mm	Thickness: 20mm	Weight: 32kg/m²

Length (mm)	up to 900		up to 1,200		up to 1,500		up to 1,800								
Height (mm)	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600

Schematic diagram: production-related deviations possible in individual cases; exact panel cross-section on request.

In addition to the variants shown, other individual developments are possible on request. Due to the different panel cross-sections, the choice of fastening system depends on the individual case.

COLORS

SPECTRAVIEW GLAZED, SILKY-MATT

6201 cream 1 H	6202 cream 2 H	6203 cream 3 H	6204 cream 4 H	6205 cream 5 H
6211 yellow 1 H	6212 yellow 2 H	6213 yellow 3 H	6214 yellow 4 H	6215 yellow 5 H
6221 apricot 1 H	6222 apricot 2 H	6223 apricot 3 H	6224 apricot 4 H	6225 apricot 5 H
6231 salmon-red 1 H	6232 salmon-red 2 H	6233 salmon-red 3 H	6234 salmon-red 4 H	6235 salmon-red 5 H
6241 pink 1 H	6242 pink 2 H	6243 pink 3 H	6244 pink 4 H	6245 pink 5 H
6251 neutral-grey 1 H	6252 neutral-grey 2 H	6253 neutral-grey 3 H	6254 neutral-grey 4 H	6255 neutral-grey 5 H
6261 grey 1 H	6262 grey 2 H	6263 grey 3 H	6264 grey 4 H	6265 grey 5 H
6271 blue 1 H	6272 blue 2 H	6273 blue 3 H	6274 blue 4 H	6275 blue 5 H
6281 green 1 H	6282 green 2 H	6283 green 3 H	6284 green 4 H	6285 green 5 H
	4230 glacier-white, glossy H	4234 chalk-white, matt H	4530 black, glossy H	4534 black, matt H

CONTRASTING COLORS
GLAZED, GLOSSY

150 lemon-yellow H	151 orange H	152 apple-green H
153 violet H	154 contrasting red H	144 intense blue H

NATURA UNGLAZED

|				
407 white / 407 white H	410 cream / 410 cream H	411 ochre / 411 ochre H	412 salmon / 412 salmon H	396 salmon-red / 396 salmon-red H
403 red / 403 red H	397 brick-red / 397 brick-red H	408 red-brown / 408 red-brown H	418 brown / 418 brown H	414 light-grey / 414 light-grey H
409 iron-grey / 409 iron-grey H	415 N vulcan-grey / 415 N vulcan-grey H	419 black / 419 black H	416 smoky-blue / 416 smoky-blue H	417 patina-green / 417 patina-green H

DESIGN UNGLAZED

1403 golden red / 1403 golden red H	1410 golden cream / 1410 golden cream H	1414 golden grey / 1414 golden grey H	1415 golden anthracite / 1415 golden anthracite H

DESIGN GLAZED

STONE

1185 savona lime H	1152 quarzit basalt-grey H	1100 stonewall 1 H	1115 rockface 1 H	1090 haze 1 H
1188 savona beige H	1150 quarzit white-grey H	1101 stonewall 2 H	1116 rockface 2 H	1091 haze 2 H
1189 savona brown H	1151 quarzit sand-beige H	1102 stonewall 3 H	1117 rockface 3 H	1093 haze 3 H
1186 savona grey H		1103 stonewall 4 H		1092 haze 4 H
1187 anthracite H				

STONE	CEMENT	METAL		
1110 mega 1 H	1140 construct 1 H	1180 metal 1 H	1190 metallic 1	1155 vertical streetlife rust H / 1156 horizontal streetlife rust H
1111 mega 2 H	1141 construct 2 H	1181 metal 2 H	1191 metallic 2	
1112 mega 3 H		1182 metal 3 H	1192 metallic 3	

WOOD

1145 oak cream oak H	1165 driftwood grey-brown H	1170 bosco 1 H
1146 oak natural oak H		1171 bosco 2 H
1147 oak anthracite oak H		1172 bosco 3 H

H = HT coating

KERATWIN® K20 – FASTENING
# WITH VERTICAL SYSTEM RAIL

OMEGA SYSTEM

- OMEGA rail with pre-punched and pre-aligned attachment hooks
- Perfect alignment of the panels thanks to the vertical joint profiles
- Integrated corner profiles

1 FACADE PANEL KERATWIN® K20
2 VERTICAL JOINT PROFILE K20, ARTICLE 640
3 OMEGA SYSTEM RAIL K20, ARTICLE 627
4 STAINLESS STEEL SCREW, ARTICLE 659
5 ADJUSTABLE Z-BAR (TYPICAL SUPPORT SUPPLIED BY OTHER MANUFACTURERS)
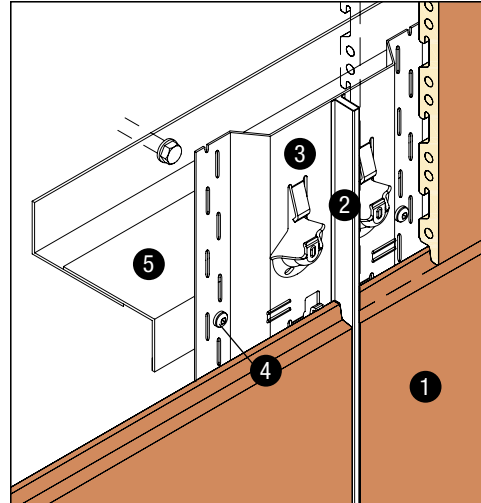
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THAT CONTRIBUTES TO A GREENER FUTURE.
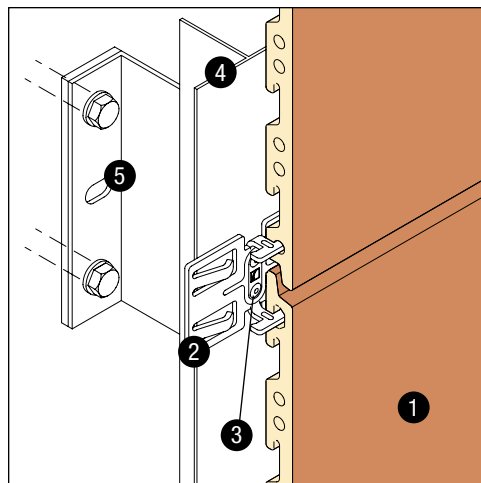
CLAMP SYSTEM

- Panels can be mounted in any direction: horizontal, vertical, on an angle or soffit

1 FACADE PANEL KERATWIN® K20
2 TWIN-CLAMP K20, ARTICLE 680
3 STAINLESS STEEL BLIND RIVET, ARTICLE 675
4 VERTICAL BEARING PROFILE (BASIC SUBSTRUCTURE)
5 WALL BRACKET (BASIC SUBSTRUCTURE)
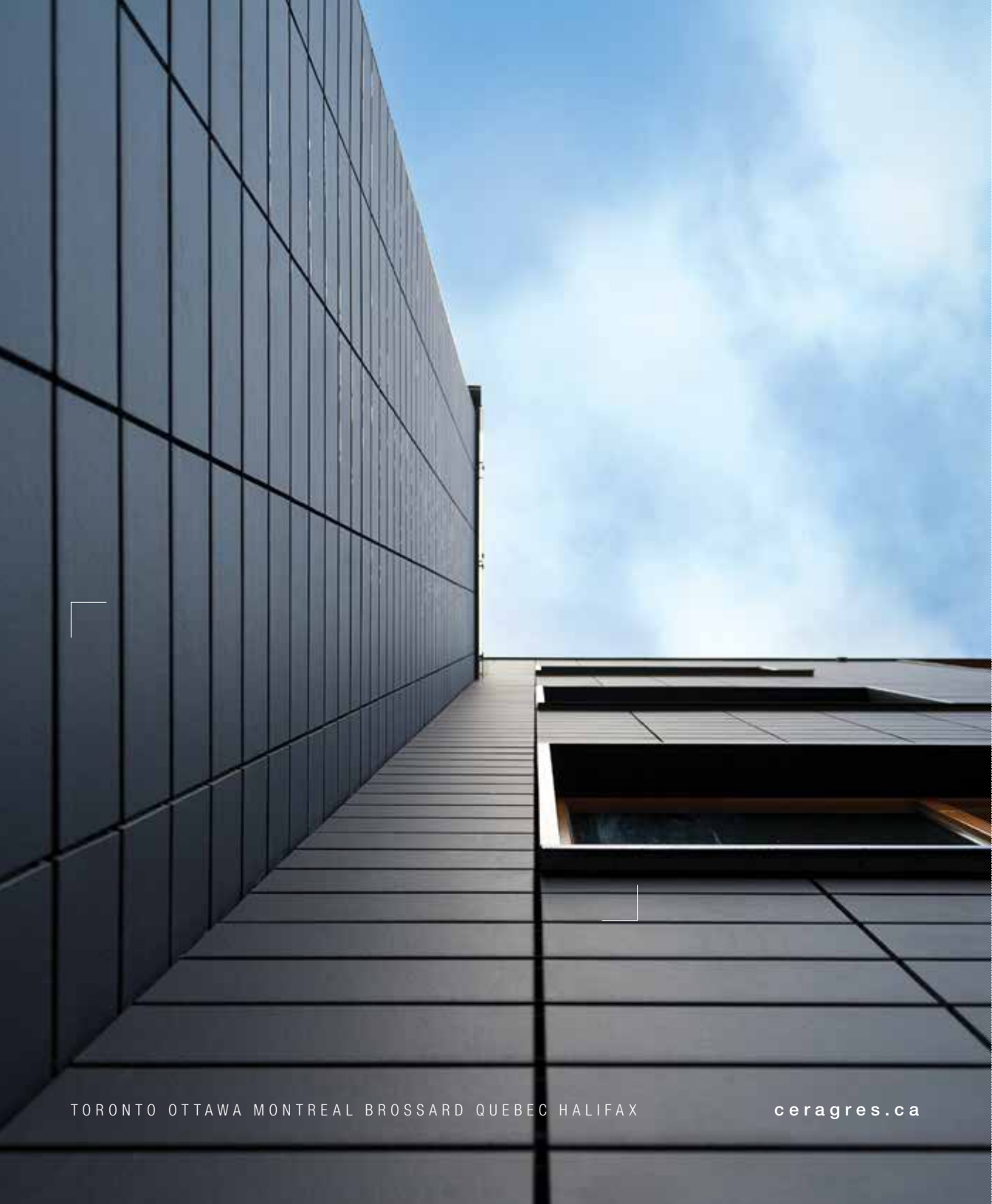
TORONTO OTTAWA MONTREAL BROSSARD QUEBEC HALIFAX   ceragres.ca