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

- VARIETY OF DESIGN
- LIGHT AND COLOURFAST
- REPLACING INDIVIDUAL PANELS
- PROTECTION AGAINST HEAT AND COLD
- ANTI-GRAFFITI

- SUN AND VISUAL PROTECTION
- ECONOMIC FEASIBILITY
- EARTHQUAKE-SAFE
- DESIGN LOADS

- LESS WASTE ON SITE
- FIRE SAFETY
- RESISTANCE TO FROST
- SUSTAINABILITY
- NOISE PROTECTION

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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.

**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.

1. The surface tension of the water is overcome. A thin water film forms.
2. By the action of the light, the catalyst activates oxygen. Microorganisms, algae, fungi and moss are decomposed.
3. When it rains, dirt and microorganisms are simply infiltrated and removed.

**CERAMIC VENTILATED FACADES SYSTEMS**
CERAMIC FACADE SYSTEMS FOR SUSTAINABLE RENOVATION

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.

SERVICE AND EXPERTISE

- 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

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.

LAURIE-EVE-CORMIER AQUATIC COMPLEX

BEFORE

AFTER

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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

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<table>
<thead>
<tr>
<th>Location:</th>
<th>Architects:</th>
<th>System:</th>
<th>Colors:</th>
<th>Quantity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOUCHERVILLE</td>
<td>CONSORTIUM RIOPEL + ASSOCIÉS ARCHITECTES / POIRIER FONTAINE ARCHITECTES</td>
<td>KERATWIN® K20</td>
<td>Spectraview 150 lemon-yellow H Spectraview 4230 glacier-white, glossy H Spectraview Blue Series</td>
<td>6,500 ft²</td>
</tr>
</tbody>
</table>
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

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ORDRE DES INfirmières
ET INFirmiers DU QUÉBEC – OIIQ

Location: MONTREAL

Architects: LEMAY

System: KERATWIN® K20
—
HT Treatment

Colors: Spectraview 4230 glacier-white, glossy H

Quantity: 13,000 ft²
STINSON BUS GARAGE – STM

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

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

6201 cream 1 H
6211 yellow 1 H
6221 apricot 1 H
6231 salmon-red 1 H
6241 pink 1 H
6251 neutral-grey 1 H
6261 grey 1 H
6271 blue 1 H
6281 green 1 H
6291 neutral-grey 2 H
6210 oak anthracite H

GLAZED, SILKY-MATT

6202 cream 2 H
6212 yellow 2 H
6222 apricot 2 H
6232 salmon-red 2 H
6242 pink 2 H
6252 neutral-grey 2 H
6262 grey 2 H
6272 blue 2 H
6282 green 2 H
6292 oak anthracite 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

SPECTRAVIEW

GLAZED, SILKY-MATT

6203 cream 3 H
6213 yellow 3 H
6223 apricot 3 H
6233 salmon-red 3 H
6243 pink 3 H
6253 neutral-grey 3 H
6263 grey 3 H
6273 blue 3 H
6283 green 3 H
6293 oak anthracite H

6204 cream 4 H
6214 yellow 4 H
6224 apricot 4 H
6234 salmon-red 4 H
6244 pink 4 H
6254 neutral-grey 4 H
6264 grey 4 H
6274 blue 4 H
6284 green 4 H
6294 oak anthracite H

6205 cream 5 H
6215 yellow 5 H
6225 apricot 5 H
6235 salmon-red 5 H
6245 pink 5 H
6255 neutral-grey 5 H
6265 grey 5 H
6275 blue 5 H
6285 green 5 H
6295 oak anthracite H

DESIGN UNGLAZED

1403 golden red
1403 golden red H
1410 golden cream
1410 golden cream H
1414 golden grey
1414 golden grey H
1416 golden anthracite
1416 golden anthracite H

DESIGN GLAZED

STONE

1185 savona lime H
1186 savona grey H
1186 savona grey H
1187 anthracite H

CEMENT

1110 mega 1 H
1111 mega 2 H
1112 mega 3 H

METAL

1180 metal 1 H
1181 metal 2 H
1182 metal 3 H
1192 metallic 3

WOOD

1145 oak cream oak H
1146 oak natural oak H

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CERAMIC VENTILATED FACADES SYSTEMS

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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)

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)

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