

# playtile

20x50



G R E S A R T® ■



PAG02  
GM0183 CASTANHO  
GM0179 CREME



PAG04  
GM0173 VERDE  
GM0001 BRANCO  
GM0175 PRETO



PAG06  
GM0170 AZUL CLARO



PAG08  
GM0280 VIOLETA



PAG11  
GA1407 DECOR  
GM0001 BRANCO



PAG12  
GM0175 PRETO  
GA1459 DECOR



PAG14  
GM0175 PRETO  
GM0281 PRETO MATE



PAG16  
GA1506 PRE-CORTE  
GM0170 AZUL CLARO  
GA1842 DECOR



PAG18  
GM0166 OFF-WHITE  
GM1428 DECOR



PAG19  
PATCHWORK MATE



PAG20  
GM0176 VERMELHO  
GA1460 DECOR  
GA1783 LISTELO



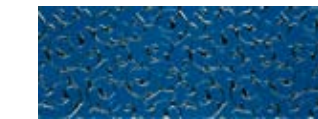
PAG22  
GM0001 BRANCO  
GA1775 LISTELO  
GM0175 PRETO  
GA1783 LISTELO



PAG23  
GM0176 VERMELHO  
GA1482 PRE-CORTE  
GM1500 PRE-CORTE



PAG24  
GM0181 CINZA  
GM0169 AMARELO  
GM0172 LARANJA  
GM0183 CASTANHO



PAG26—33  
SINOPSE SÉRIE



PAG34  
MERCHANDISING



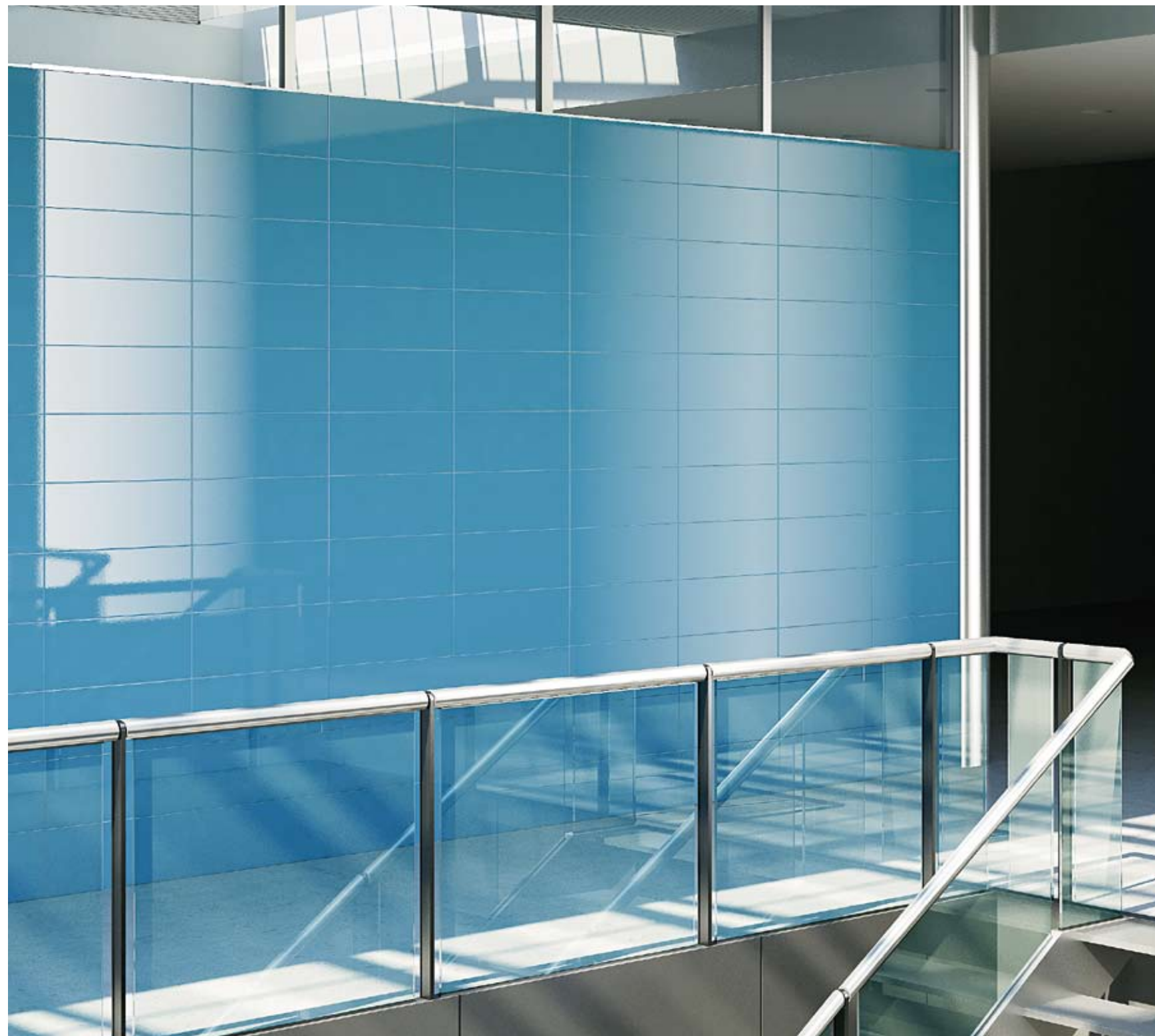
PAG36  
CARACTERÍSTICAS TÉCNICAS





































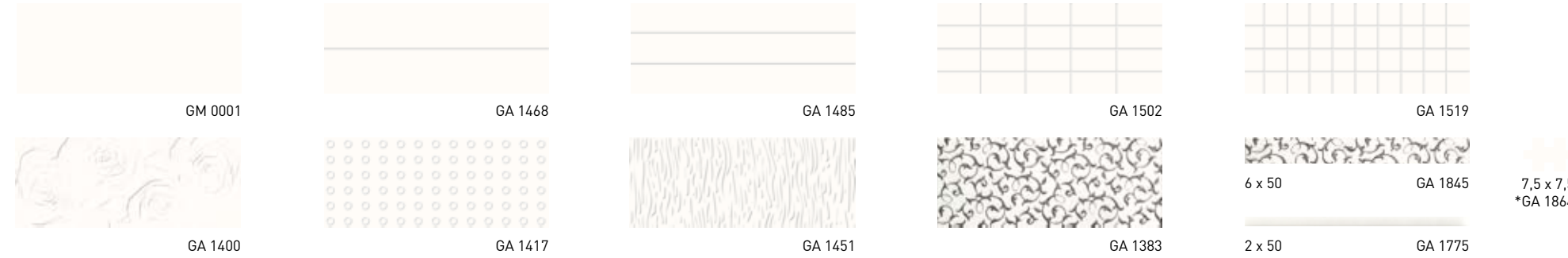




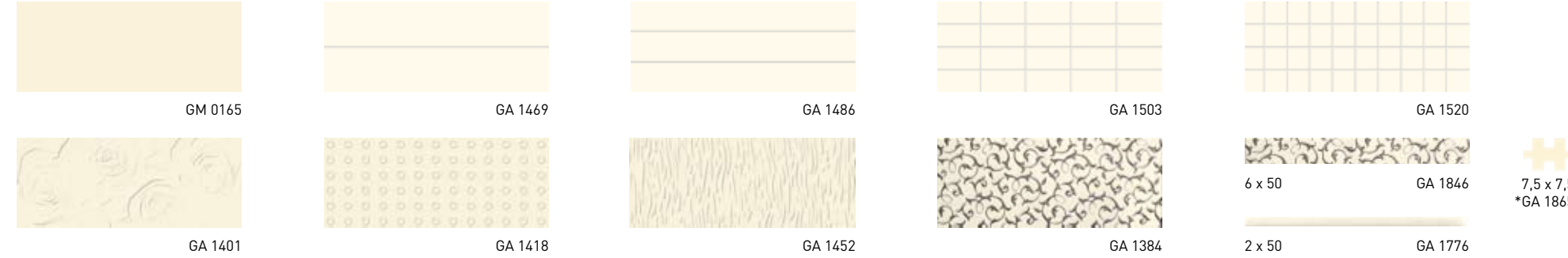




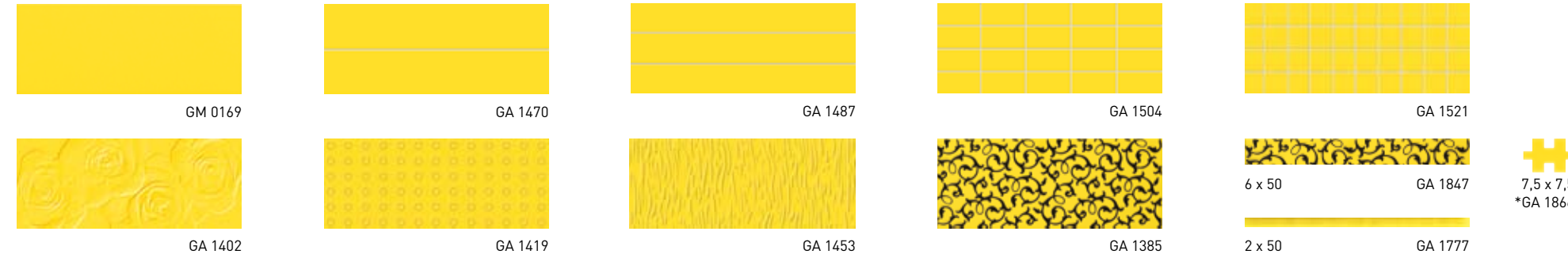
**BRANCO**



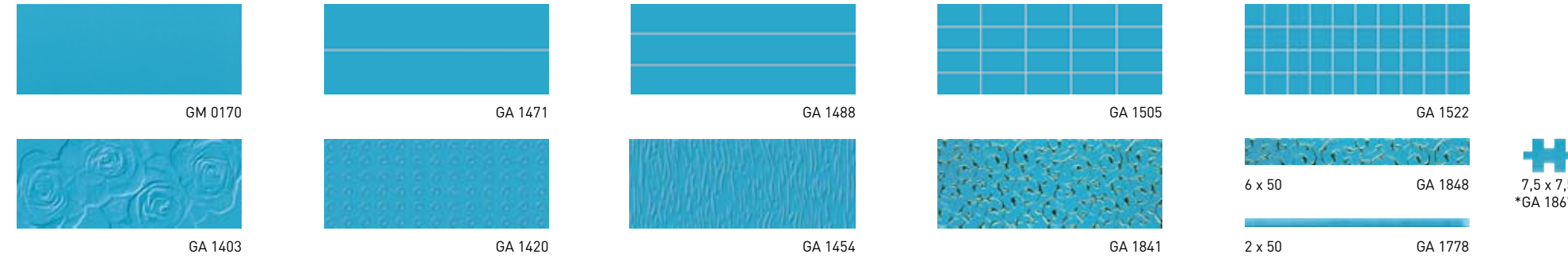
**OFF-WHITE**



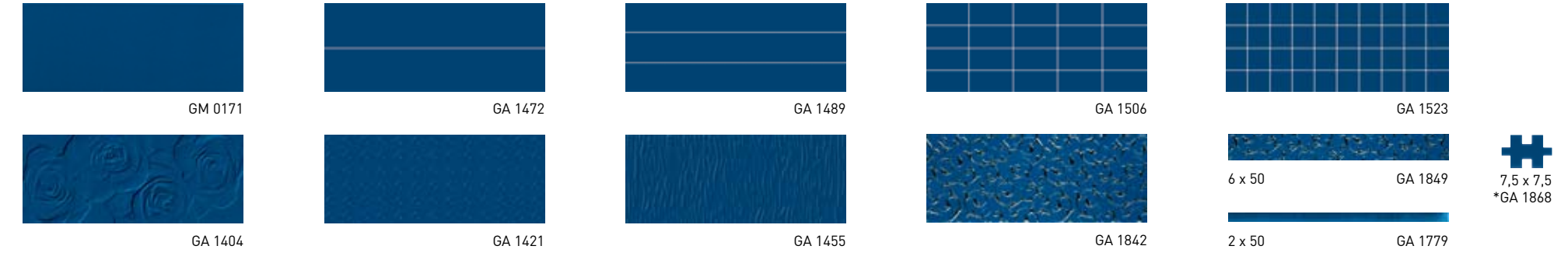
**AMARELO**



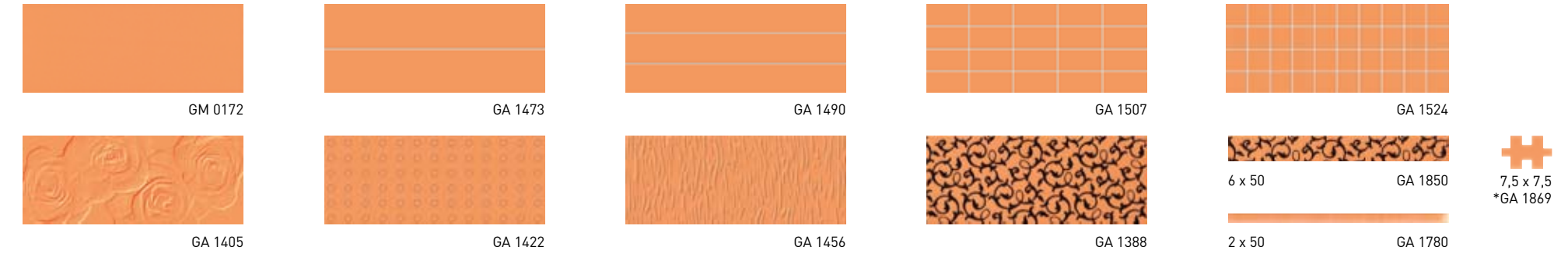
**AZUL CLARO**



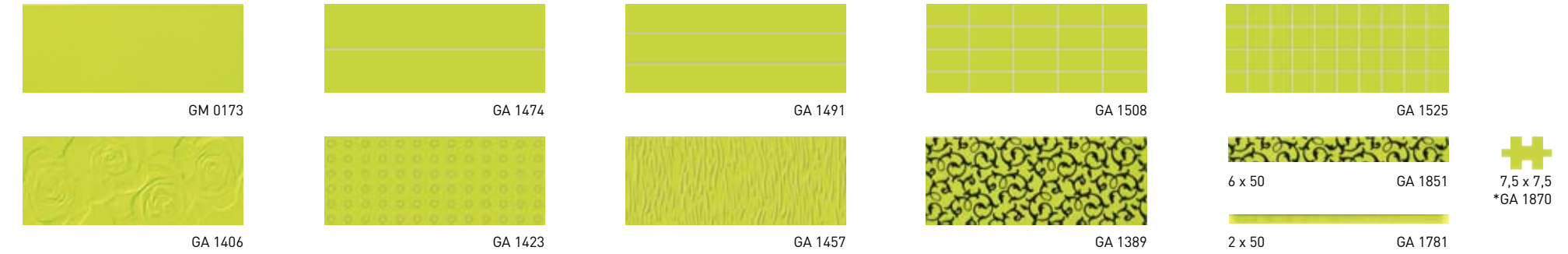
**AZUL ESCURO**



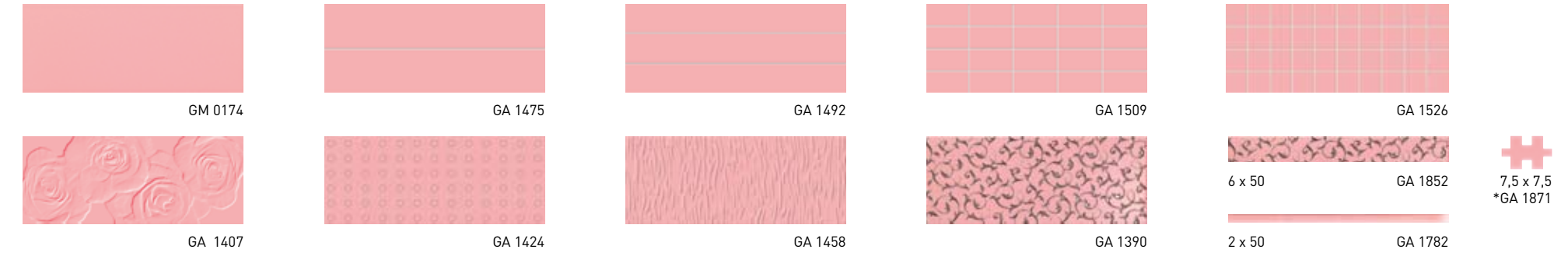
**LARANJA**



**VERDE**

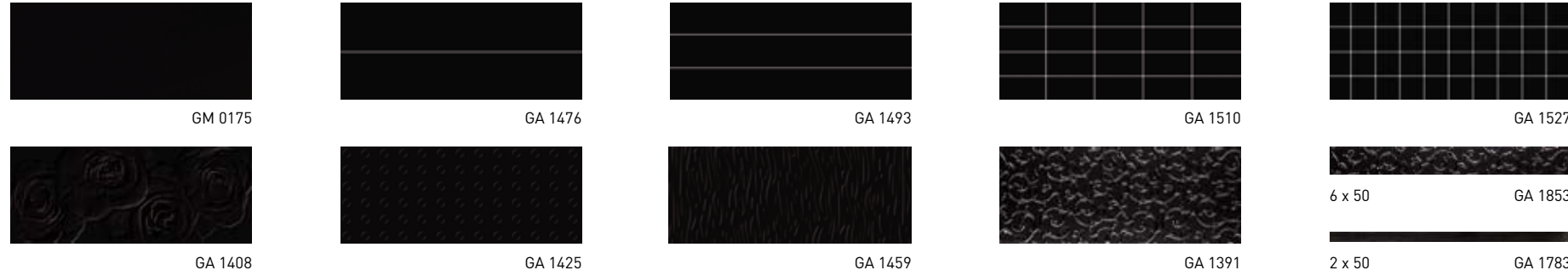


**ROSA**

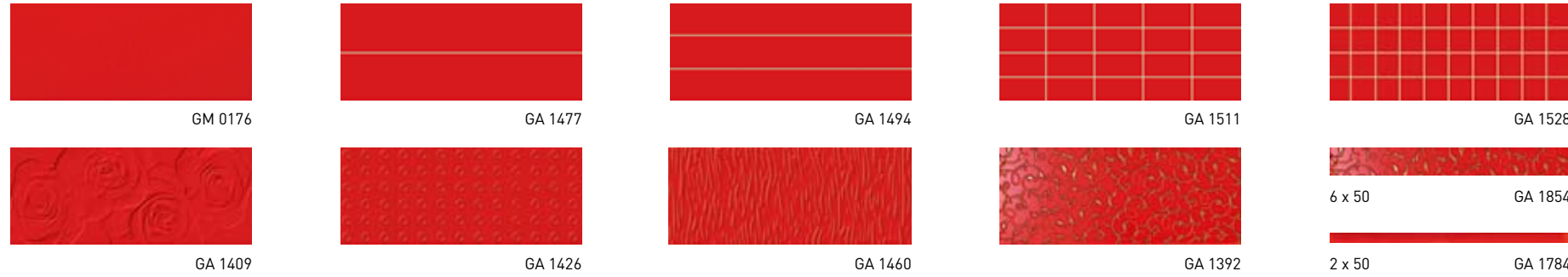




**PRETO**



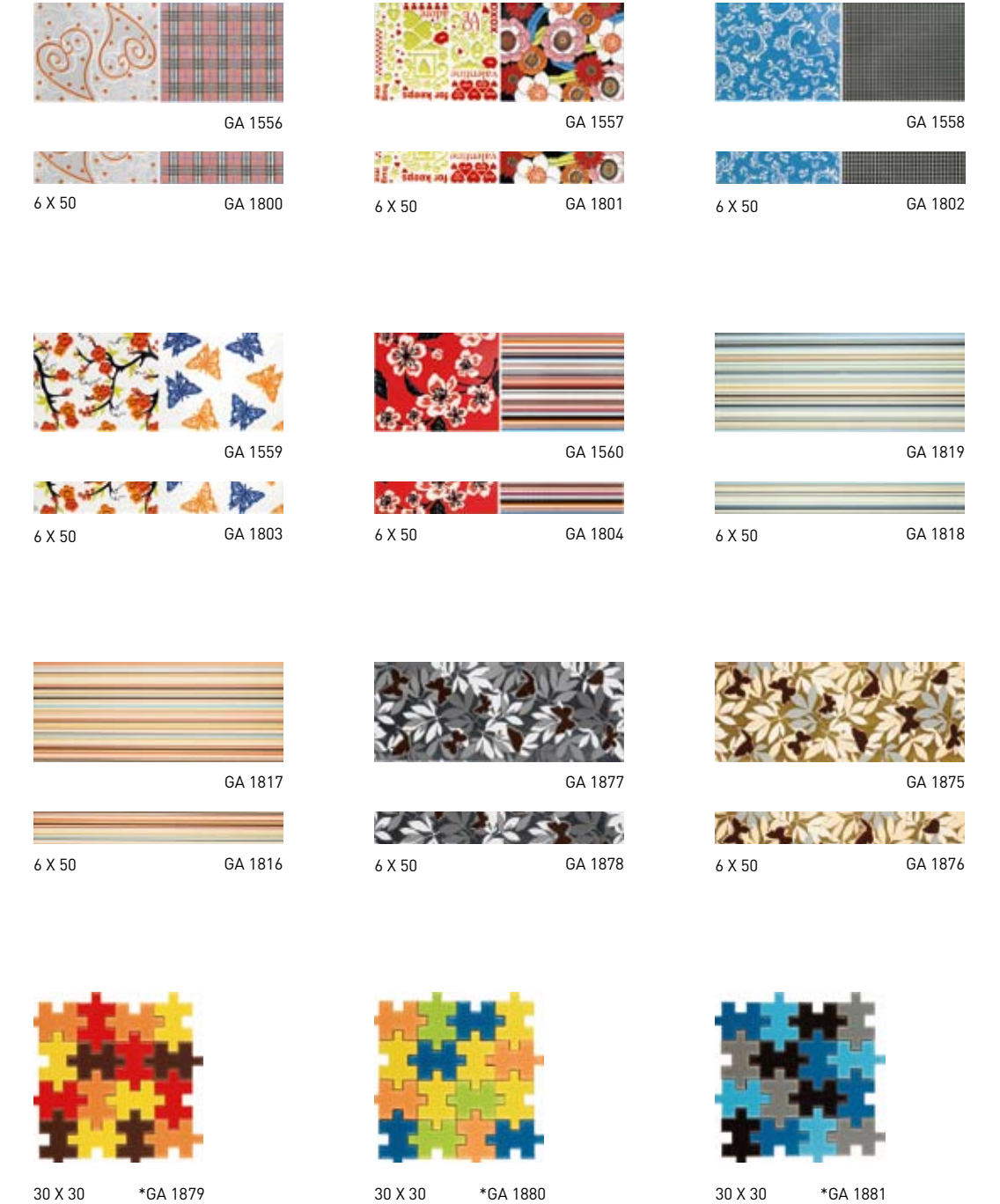
**VERMELHO**



**VIOLETA**

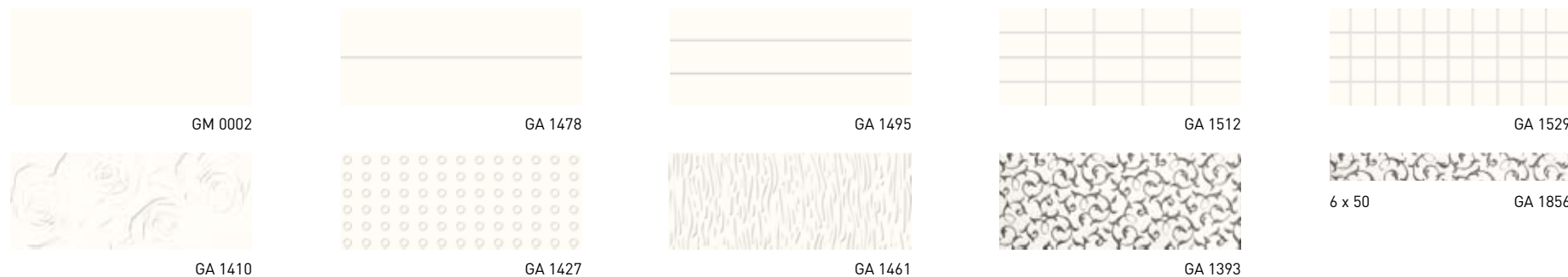


**PATCHWORK**



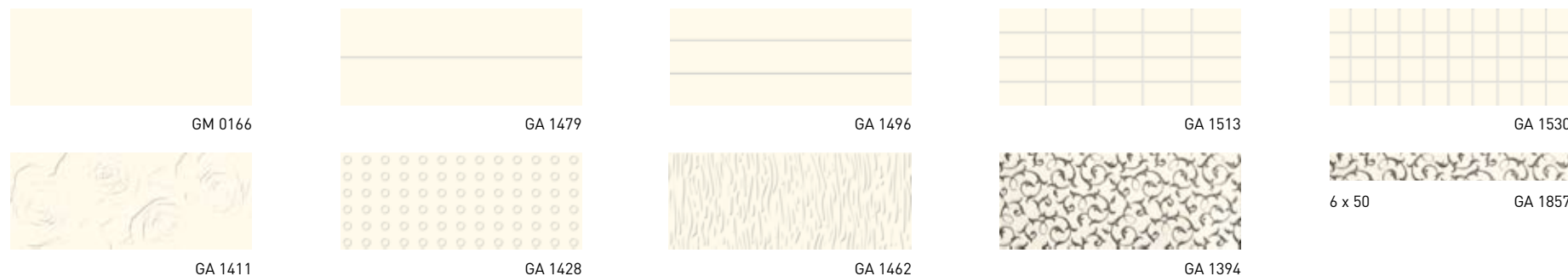


### BRANCO



GM 0002 GA 1478 GA 1495 GA 1512 GA 1529  
 GA 1410 GA 1427 GA 1461 GA 1393 GA 1856  
 6 x 50

### OFF-WHITE



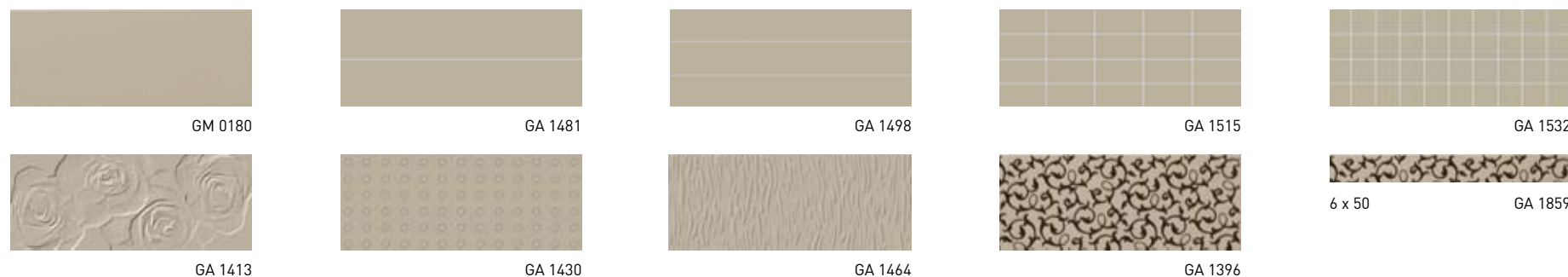
GM 0166 GA 1479 GA 1496 GA 1513 GA 1530  
 GA 1411 GA 1428 GA 1462 GA 1394 GA 1857  
 6 x 50

### CREME



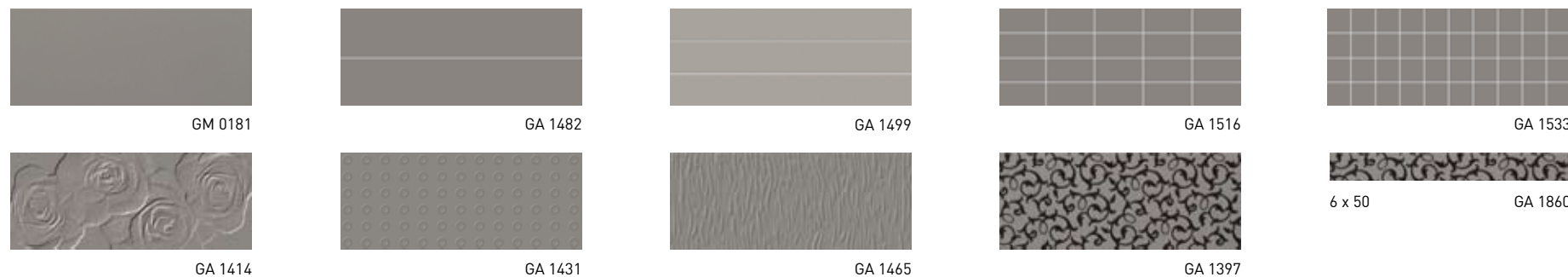
GM 0179 GA 1480 GA 1497 GA 1514 GA 1531  
 GA 1412 GA 1429 GA 1463 GA 1395 GA 1858  
 6 x 50

### TERRA



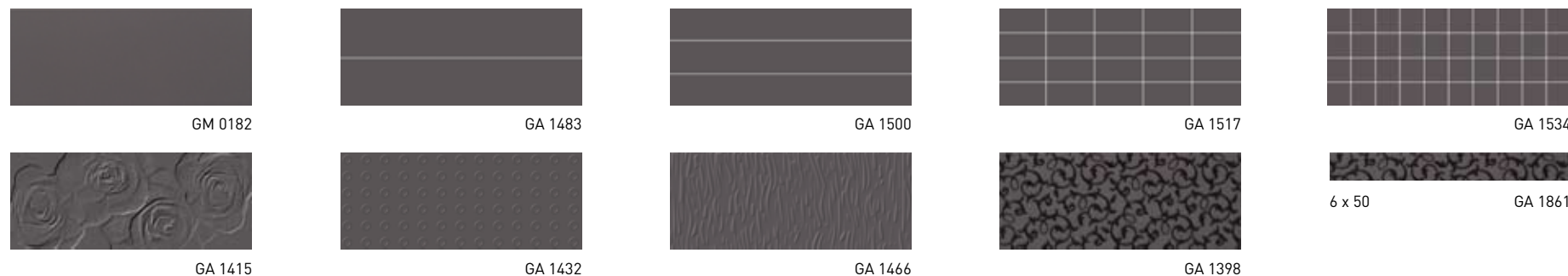
GM 0180 GA 1481 GA 1498 GA 1515 GA 1532  
 GA 1413 GA 1430 GA 1464 GA 1396 GA 1859  
 6 x 50

### CINZA



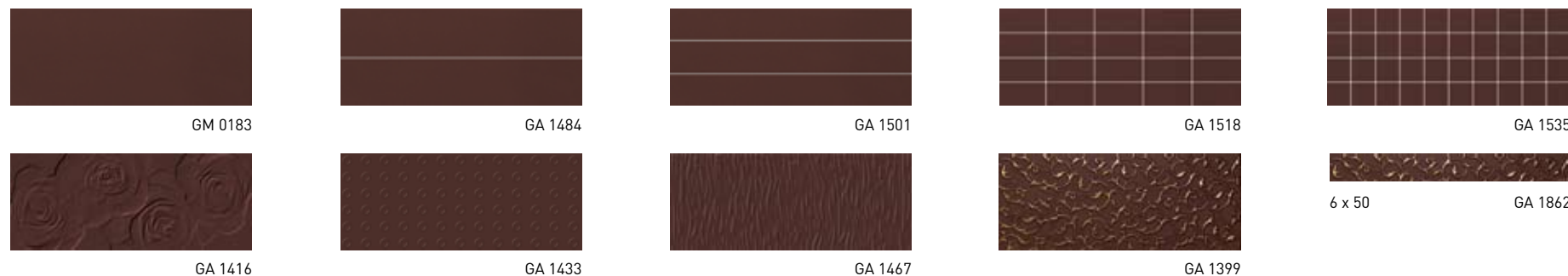
GM 0181 GA 1482 GA 1499 GA 1516 GA 1533  
 GA 1414 GA 1431 GA 1465 GA 1397 GA 1860  
 6 x 50

### ANTRACITE



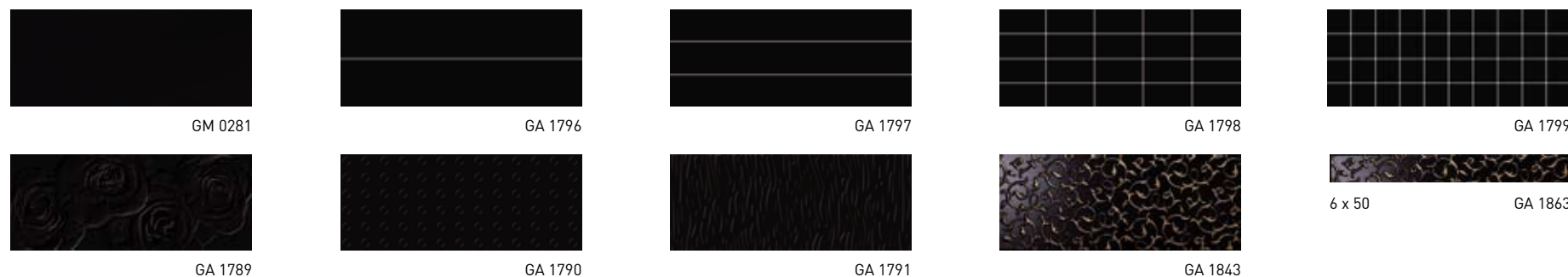
GM 0182 GA 1483 GA 1500 GA 1517 GA 1534  
 GA 1415 GA 1432 GA 1466 GA 1398 GA 1861  
 6 x 50

### CASTANHO



GM 0183 GA 1484 GA 1501 GA 1518 GA 1535  
 GA 1416 GA 1433 GA 1467 GA 1399 GA 1862  
 6 x 50

### PRETO



GM 0281 GA 1796 GA 1797 GA 1798 GA 1799  
 GA 1789 GA 1790 GA 1791 GA 1843 GA 1863  
 6 x 50



**PATCHWORK**



GA 1561



6 X 50 GA 1805



GA 1562



6 X 50 GA 1806



GA 1563



6 X 50 GA 1807



GA 1564



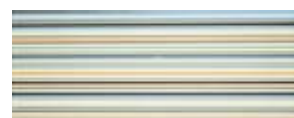
6 X 50 GA 1808



GA 1565



6 X 50 GA 1809



GA 1819



6 X 50 GA 1818



GA 1817



6 X 50 GA 1816



\*GA 1813



\*GA 1815



\*GA 1814



\*GA 1810



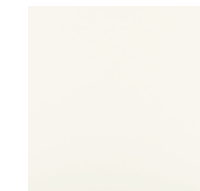
\*GA 1812



\*GA 1811

**BRILHO | GLOSS**

**FLOOR BRANCO**



33,3 X 33,3 GR 0273

**FLOOR AZUL**



33,3 X 33,3 GR 0274

**FLOOR PRETO**



33,3 X 33,3 GR 0275

**FLOOR VERMELHO**



33,3 X 33,3 GR 0276

**MATE | MATE**

**URBAN BEGE**



50 X 50 GP 0224

**URBAN CASTANHO**



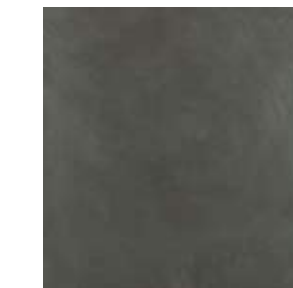
50 X 50 GP 0225

**URBAN PÉROLA**



50 X 50 GP 0223

**URBAN PRETO**



50 X 50 GP 0226





CATÁLOGO



PASTA DE ARQUITECTO



EXPOSITOR








PAINEL TÉCNICO










## REVESTIMENTO EM MONOPOROSA PASTA BRANCA WHITE BODY

Características Técnicas de Revestimentos Cerâmicos em Monoporosa Pasta Branca Grupo Billa segundo ISO 13 006  
Technical Specifications of White Body Monoporosa Wall Tiles Billa Group, according to ISO 13 006  
Spécifications Techniques de Tuiles Céramiques, Pressées à Sec et Vitrées par la Monocousson Groupe Billa, selon l'ISO 13 006  
Technische Angaben von trocken gedrückten und durch Monobacken glasierten keramischen Fliesen Billa Gruppe, gemäß ISO 13 006

| Características<br>Specifications<br>Spécifications<br>Angaben  | Norma<br>Standard<br>Norme<br>Norm | Valor da Norma<br>Value of the Standard<br>Valeur de la Norme<br>Wert der Norm | Valor Gresart<br>Gresart Value<br>Valeur de Gresart<br>Gresart Wert |
|---|------------------------------------|--|---|
|  Absorção de Água<br>Water Absorption<br>Absorption d'Eau<br>Wasseraufsaugung   | ISO 10 545-3                       | ≥ 10% < E < 20%  | > 13% e < 18%   |
|  Resistência à Flexão (N/mm <sup>2</sup> )<br>Resistance to Curvature (N/mm <sup>2</sup> )<br>Résistance à la Courbure (N/mm <sup>2</sup> )<br>Verkrümmungsbeständigkeit (N/mm <sup>2</sup> ) | ISO 10 545-4                       | > 12 N/mm <sup>2</sup>   | > 15 N/mm <sup>2</sup>  |
|  Resistência ao Fendilhado<br>Cracking Resistance<br>Résistance à l'Abrasion<br>Abnutzungsbeständigkeit   | ISO 10 545-11                      | Exigida<br>Required<br>Exigée<br>Erfordert                                     | Conforme<br>Consistent<br>Conforme<br>Angemessen                    |
|  Resistência Química<br>Chemical Resistance<br>Résistance Chimique<br>Chemische Beständigkeit   | ISO 10 545-13                      | GB/GLB   | GB/GLB  |
|  Resistência às Manchas<br>Resistance to staining<br>Résistance aux taches<br>Fleckenbeständigkeit  | ISO 10 545-14                      | Mínimo Classe 3<br>Minimum Class 3<br>Minimum Classe 3<br>Mindestens Klasse 3  | Conforme<br>Consistent<br>Conforme<br>Angemessen                    |

## GRÉS PORCELÂNICO VIDRADO GLAZED PORCELAIN

Características Técnicas de Pavimentos Cerâmicos Pressados por Via Seca e Vidrados por Monoczedura Grupo Bia segundo EN 14 411  
Technical Specifications of Ceramic Tiles, Dry-pressed and Glazed by Single Firing BIA Group, according to EN 14 411  
Spécifications Techniques de Tuiles Céramiques, Pressées à Sec et Vitrées par la Monocousson Groupe Bia, selon l'EN 14 411  
Technische Angaben von trocken gedrückten und durch Monobacken glasierten keramischen Fliesen Bia Gruppe, gemäß EN 14 411

| Características<br>Specifications<br>Spécifications<br>Angaben   | Norma<br>Standard<br>Norme<br>Norm | Valor da Norma<br>Value of the Standard<br>Valeur de la Norme<br>Wert der Norm  | Valor Gresart<br>Gresart Value<br>Valeur de Gresart<br>Gresart Wert  |
|--|------------------------------------|---|--|
|  Absorção de Água<br>Water Absorption<br>Absorption d'Eau<br>Wasseraufsaugung   | ISO 10 545-3                       | < 0,5% max. 0,6%  | < 0,5%   |
|  Resistência à Flexão (N/mm <sup>2</sup> )<br>Resistance to Curvature (N/mm <sup>2</sup> )<br>Résistance à la Courbure (N/mm <sup>2</sup> )<br>Verkrümmungsbeständigkeit (N/mm <sup>2</sup> ) | ISO 10 545-4                       | Média 35   Mínimo 32<br>Average 35   Minimum 32<br>Moyenne 35   Minimum 32<br>Durchschnitt 35   Mindestens 32                   | Conforme a Norma<br>Consistent with the Norm<br>Constance avec la Norme<br>Gemäss der Norm                                   |
|  Resistência à Abrasão<br>Resistance to Abrasion<br>Résistance à l'Abrasion<br>Abnutzungsbeständigkeit  | ISO 10 545-7                       |   | Indicação na Tabela de Preços<br>Indication on Price List<br>Indication sur la Liste de Prix<br>Hinweis auf der Preistabelle |
|  Dilatação Térmica<br>Heat Expansion<br>Dilatation Thermique<br>Hitzenausdehnung  | ISO 10 545-8                       | Máximo 9x10 <sup>-6</sup> °C<br>Maximum 9x10 <sup>-6</sup> °C<br>Maximum 9x10 <sup>-6</sup> °C<br>Maximum 9x10 <sup>-6</sup> °C | < 7,5x10 <sup>-6</sup> °C  |
|  Resistência ao Gelo<br>Resistance to Ice<br>Résistance à la Glace<br>Eisbeständigkeit  | ISO 10 545-12                      | Exigida<br>Required<br>Exigée<br>Erfordert  | Conforme<br>Consistent<br>Conforme<br>Angemessen   |
|  Resistência Química<br>Chemical Resistance<br>Résistance Chimique<br>Chemische Beständigkeit   | ISO 10 545-13                      | Mínimo GB/GLB   | Conforme<br>Consistent<br>Conforme<br>Angemessen   |
|  Resistência às Manchas<br>Resistance to staining<br>Résistance aux taches<br>Fleckenbeständigkeit  | ISO 10 545-14                      | Mínimo Classe 3<br>Minimum Class 3<br>Minimum Classe 3<br>Mindestens Klasse 3   | Conforme<br>Consistent<br>Conforme<br>Angemessen   |



## PACKING LIST

| FORMATO<br>SIZE | PEÇAS - CAIXA<br>PIECES - BOX | PESO - CAIXA<br>WEIGHT - BOX | M <sup>2</sup> - CAIXA<br>SQ. MT. - BOX | CAIXA - PALETE<br>BOX - PALLET | PESO - PALETE<br>WEIGHT - PALLET | M <sup>2</sup> - PALETE<br>SQ. MT. - PALLET |
|-----------------|-------------------------------|------------------------------|---|--------------------------------|----------------------------------|---|
| 20 x 50         | 11                            | 18,5                         | 1,10                                    | 48                             | ± 888                            | 52,80                                       |
| 50 x 50         | 4                             | 22                           | 1,00                                    | 36                             | ± 792                            | 36,00                                       |
| 33 x 33         | 9                             | 16                           | 1,00                                    | 68                             | ± 1,088                          | 68,00                                       |

G R E S A R T®  
C E R Á M I C A

Gresart - Cerâmica Industrial S.A.  
Apartado 39, Vila Verde | 3770-954 Oliveira do Bairro | Portugal  
Tel. +351 234 740 200 | Fax. +351 234 747 462  
gresart@gresart.com | www.gresart.com







G R E S A R T® ■