



DECLARATION OF BUILDING AS A MATERIALS BANK



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Environmental Product
Declaration

GRES ARAGON declares that:

The ceramic tiles for ventilated façade FAVEKER® are compatible with several of light fixing systems. These systems and the auxiliary materials for installation are described on the website: <https://faveker.com/sistemas/>.

The installation systems for FAVEKER® can be grouped into two types:


1) SYSTEM WITH EPDM PROFILE

Fixing system **FTS 502B** is a system with vertical profiles and horizontal load brackets, simples and doubles stainless clips and connecting elements. The continuous vertical joint includes an EPDM profile to avoid the entry of water and vibrations.


Once the useful life of the façade is over, the FTS502B installation system, using mechanical anchors with EPDM profile and without adhesives or elastomeric mastics, allows the dismantling of the ceramic panels and the substructure. With this system, a correct separation of waste is achieved, which facilitates subsequent recycling.

The following tables show the waste generated during disassembly per square meter per facade model:

GA16 Model- System FTS502B (GA16 400x1200):

| System | Waste | Type | LER Code | Treatment Code | Waste per facade sq m | Destination |
|---|--------------------|--------------|----------|----------------|-----------------------|---|
|  | Ceramic tiles | No Dangerous | 170103 | R5 | 31,7 kg | Managing waste through an authorised dealer |
| | Aluminium profiles | No Dangerous | 170402 | R4 | 1,028 kg | |
| | Steel Clips-screws | No Dangerous | 170405 | R4 | 1,118 kg | |
| | EPDM profiles | No Dangerous | 170203 | R5 | 0,316 kg | |

GA20 Model- System FTS502B (GA20 400x1200):

| System | Waste | Type | LER Code | Treatment Code | Waste per facade sq m | Destination |
|---|--------------------|--------------|----------|----------------|-----------------------|---|
|  | Ceramic tiles | No Dangerous | 170103 | R5 | 34,4 kg | Managing waste through an authorised dealer |
| | Aluminium profiles | No Dangerous | 170402 | R4 | 1,028 kg | |
| | Steel Clips-screws | No Dangerous | 170405 | R4 | 1,166 kg | |
| | EPDM profiles | No Dangerous | 170203 | R5 | 0,316 kg | |

2) SYSTEM WITHOUT EPDM PROFILE


Several hidden fixing systems are available using horizontal profiles that absorb vibrations by means of spring clips or polymer resin, which replaces the function of the EPDM profiles:

- **FTS 502 A:** Hidden fixing systems with horizontal profiles that can be fixed directly to the support, or placed on vertical aluminum profiles that are fixed on brackets. The ceramic tiles are attached to the horizontal profiles.
- **FTS 506:** Hidden fixing system made of vertical and horizontal load brackets with horizontal battens. Horizontal profiles are installed on the vertical profiles which lay on the brackets.
- **FTS 506GR:** Hidden fixing system made of vertical and horizontal load brackets with horizontal battens which enables out-of-phase layouts with the FAVEKER® tiles. Horizontal profiles are installed on the vertical profiles which lay on the brackets.


Once the useful life of the façade is over, these systems that use 4 points of elastomeric resin at each end of the ceramic pieces, do not allow the complete disassembly of the ceramic plates and the substructure. With this system, remains of the resin will remain on the ceramic plates. It is estimated that approximately 30% of the ceramic tile surface cannot be managed through a recycling operation.

The following tables show the waste generated during disassembly per square meter per facade model:


GA16 Model- System FTS502A-Support (GA16 400x1200)

| System | Waste | Type | LER Code | Treatment Code | Waste per facade sq m | Destination |
|---|--------------------|--------------|----------|----------------|-----------------------|---|
|  | Ceramic tiles | No Dangerous | 170103 | D5 | 9,51 kg | Deposit in an authorized landfill |
| | | | | R5 | 22,19 kg | |
| | Aluminium profiles | No Dangerous | 170402 | R4 | 1,025 kg | Managing waste through an authorised dealer for recycling |
| Steel Clips-screws | No Dangerous | 170405 | R4 | 0,118 kg | | |


GA16 Model- System FTS502A (GA16 400x1200)

| System | Waste | Type | LER Code | Treatment Code | Waste per facade sq m | Destination |
|---|--------------------|--------------|----------|----------------|-----------------------|---|
|  | Ceramic tiles | No Dangerous | 170103 | D5 | 9,51 kg | Deposit in an authorized landfill |
| | | | | R5 | 22,19 kg | |
| | Aluminium profiles | No Dangerous | 170402 | R4 | 2,724 kg | Managing waste through an authorised dealer for recycling |
| Steel Clips-screws | No Dangerous | 170405 | R4 | 0,024 kg | | |

GA20 Model- System FTS506 (GA20 400x1200):

| System | Waste | Type | LER Code | Treatment Code | Waste per facade sq m | Destination |
|---|-------------------------------------|-----------------|----------|----------------|-----------------------|--|
|  | Ceramic tiles Aluminium profiles | No Dangerous | 170103 | D5 | 9,51 kg | Deposit in an authorized landfill |
| | | | | R5 | 22,19 kg | |
| | Steel Clips- screws | No Dangerous | 170402 | R4 | 2,724 kg | Managing waste through an authorised dealer for recycling |
| | Ceramic tiles | No Dangerous | 170405 | R4 | 0,024 kg | |

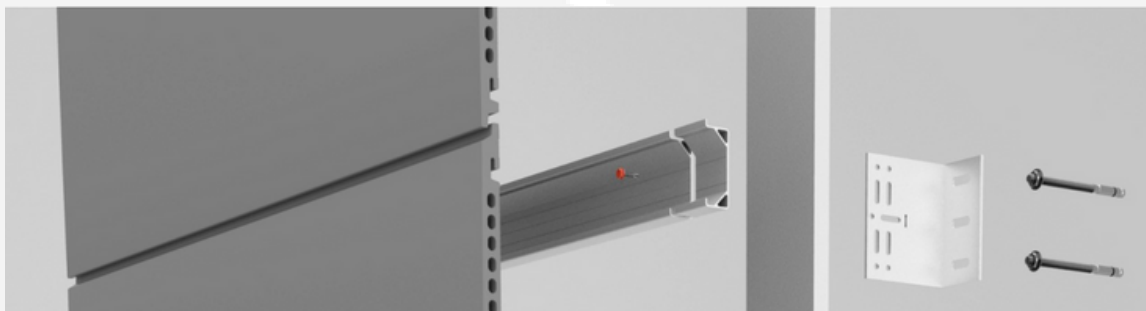
GA20 Model- System FTS506GR (GA20 400x1200):

| System | Waste | Type | LER Code | Treatment Code | Waste per facade sq m | Destination |
|---|-------------------------------------|-----------------|----------|----------------|-----------------------|--|
|  | Ceramic tiles Aluminium profiles | No Dangerous | 170103 | D5 | 10,32 kg | Deposit in an authorized landfill |
| | | | | R5 | 24,08 kg | |
| | Steel Clips- screws | No Dangerous | 170402 | R4 | 0,913 kg | Managing waste through an authorised dealer for recycling |
| | Ceramic tiles | No Dangerous | 170405 | R4 | 0,024 kg | |

Explosion drawing System with EPDM profile (FTS 502B):



Explosion drawing Systems without EPDM profile (FTS 502A-FTS 506- FTS 506GR):



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