

Model: FOREST ACERO 22X90(A)

Codes: 100226122 - P11400691

Water absorption: Bla - Porcelain tiles ($E \leq 0.1\%$)

Thickness: 10.7 mm



DIMENSIONAL FEATURES

UNE-EN ISO 10545-2

| | | |
|-----------------------------|-------------|---------------|
| Thickness | 10.7 mm | |
| Width | 220 MM | |
| Length | 900 MM | |
| Length and width deviation | Below 0.15% | $\leq 0.5\%*$ |
| Side straightness deviation | Below 0.15% | $\leq 0.5\%*$ |
| Squareness deviation | Below 0.15% | $\leq 0.6\%*$ |
| Surface flatness deviation | Below 0.15% | $\leq 0.5\%*$ |

*ISO-13006:2018 UNE-EN 14411:2016

MECHANICAL FEATURES

UNE-EN ISO 10545-4-6-7-11

| | | |
|---------------------|------------------|--------------------------|
| Breaking strength | 3490.967 N | $>1300\text{ N}*$ |
| Modulus of rupture | 58 % | $\geq 35\text{ N/mm}^2*$ |
| Abrasion resistance | PEI_4 | |
| Crazing resistance | Resists 3 cycles | |

*ISO-13006:2018 UNE-EN 14411:2016

HYGIENIC FEATURES

UNE-EN ISO 10545-13-14:1995

| | | |
|---------------------|--|----------------|
| Chemical resistance | Class "A" for swimming pools and cleaning products (resists attack). Minimum Class "B" for acids and bases | CLASE B Min. * |
| Stain resistance | Class 5. Easy cleaning with water | CLASE 3 Min. * |

*ISO-13006:2018 UNE-EN 14411:2016

SCOPE OF USE

| | | |
|------------------|------------------------------|--|
| Technical code-1 | Use on medium traffic floors | |
|------------------|------------------------------|--|

ANTI-SLIP VALUE

UNE-ENV 12633:2003, DIN-51130 y ASTM C1028

| | | |
|---------------------------------|---------|--|
| Dynamic coefficient of friction | $>0,42$ | |
| Slip resistance (ramp) | R-10 | |
| 4s | WET-32 | |

*ISO-13006:2018 UNE-EN 14411:2016

PACKING

| | | |
|---------|----------------|--|
| Boxes | 1.188 M2/CS | |
| Pallets | 61.7761 M2/PAL | |
| Units | 0.198 M2/ST | |

System Certification



Do not use cleaning agents containing hydrofluoric acid.
It is recommended to fix tiles with a minimum joint of 1,5 mm. Do not fix without joint.
For big sizes, it is recommended to fix with mortars containing polymeric additives and to use the double gluing technique.
Mosaic tiles must be grouted.

This document is only commercial and cannot be used as expert opinion, documentary evidence or in any legal or administrative procedure unless authorized by PORCELANOSA S.A.
A DCOF value of > 0.42 is the new standard for tiles specified for commercial level interior applications expected to be walked upon when wet, in standard A137.1-2012. It replaces the SCOF value of > 0.60 referenced in ADA Guidelines (measurement made as per the ASTM C1028 test method) However, there are many factors that affect the possibility of a slip occurring and then tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine if tiles are appropriate for specific project conditions, considering by way of example, but not limited to; type of use, traffic, expected contaminants, expected maintenance, expected wear and manufacturer guidelines and recommendations. Tiles with a DCOF inferior to 0.42 shall only be installed when the surface will kept dry when walked upon and proper safety procedures are followed when cleaning the tiles.