














**TECHNICAL SPECIFICATIONS**  
**QUALITY LABORATORY**
**MODEL**
**45X45 FS STAR-N**
**BODY TYPE**
**FLOOR TILES GROUP BIIa**

Body Technical Specifications		Test Method	Standard Value	Pass/Fail
	Length and width	ISO 10545-2	$\pm 0.6 \%$	Yes
	Thickness		$\pm 5 \%$	Yes
	Straightness of sides		$\pm 0.5 \%$	Yes
	Surface flatness		$\pm 0.5 \%$	Yes
	Squareness		$\pm 0.5 \%$	
	Water absorption	ISO 10545-3	$3 < AA < 6 \%$	Yes
	Breaking strength	ISO 10545-4	$> 1000 \text{ N}$	Yes
	Modulus of rupture		$> 22 \text{ N/mm}^2$	Yes
	Frost resistance	ISO 10545-12	NOT RESIST	Yes
	Linear thermal expansion coefficient	ISO 10545-8	$9 \times 10^{-6} \text{ K}^{-1}$	Yes

Surface Technical Specifications		Test Method	Standard Value	Pass/Fail
	Slipperiness	DIN-51130	R9	Yes
		UNE-ENV-12633	CLASS 1	Yes
	Surface abrasion resistance (PEI)	ISO 10545-7	4	Yes
	Deep abrasion resistance	ISO 10545-6	-	-
	Surface hardness (MOHS scale)	EN-101	6	Yes
	Acids and alkalis resistance	ISO 10545-13	GLA/GLA	Yes
	Crazing resistance	ISO 10545-11	RESIST	Yes
	Staining resistance	ISO 10545-14	5	Yes
	Surface Quality	ISO 10545-2	$> 95 \%$	Yes

**GOODS ARE IN CONFORMITY WITH ISO 13006 STANDARDS**