

# Fanal

TECHNICAL PRODUCT SHEET		
<b>MODEL</b>	<b>TYNDALL GRAPHITE 6060 REC</b>	
<b>SIZE</b>	NOMINAL SIZE:	60 X 60
	WORK SIZE:	598,0 X 598,0 X 9,0
<b>PRODUCT TYPE</b>	PORCELAIN	
<b>SURFACE FINISHING</b>	RECTIFIED	

## PROPERTIES

DIMENSIONS AND SURFACE QUALITY	MEASURES TOLERANCES				TEST STANDARD
	UNE - EN - 14411		FANAL		
	mm	%	mm	%	
<b>LENGTH AND WIDTH</b> Permissible deviation of the average measurement of each tile (4 sides) with respect to the manufacturing dimension (working size)	± 2,0	± 0,6 %	± 0,4	± 0,05 %	EN - ISO - 10545 - 2
<b>THICKNESS</b> Admissible deviation of the average thickness of each tile with respect to the manufacturing thickness	± 0,5	± 5,0 %	± 0,3	± 3,0 %	EN - ISO - 10545 - 2
<b>STRAIGHTNESS OF SIDES (FACIAL SIDES)</b> Maximum allowable deviation of straightness in relation to the corresponding manufacturing dimension	± 1,5	± 0,5 %	± 0,5	± 0,1 %	EN - ISO - 10545 - 2
<b>ORTHOAGONALITY</b> Maximum allowable deviation from orthogonality in relation to the corresponding manufacturing dimension	± 2,0	± 0,5 %	± 0,8	± 0,1 %	EN - ISO - 10545 - 2
<b>SURFACE FLATNESS</b> Maximum allowable deviation from flatness:	± 2,0	± 0,5 %	± 1,0	± 0,16%	EN - ISO - 10545 - 2
A) Central curvature in relation to diagonal calculated with the manufacturing dimension					
B) Lateral curvature in relation to the corresponding manufacturing dimension	± 2,0	± 0,5 %	± 1,0	± 0,16%	EN - ISO - 10545 - 2
C) Warpage in relation to the diagonal calculated with the corresponding manufacturing dimension	± 2,0	± 0,5 %	± 1,0	± 0,16%	EN - ISO - 10545 - 2

RECOMMENDED USE		
Glazed wall tiles. Not recommended for floors or outdoors with sub-zero temperatures.	<b>A</b>	
Use for low traffic areas with soft footwear (bathrooms, bedrooms, without direct access from the outside).	<b>B</b>	
Use for areas with moderate traffic, with soft or normal footwear (private homes), avoiding places with considerable traffic	<b>C</b>	
Use for medium traffic areas, with normal footwear. Advisable for all areas of private homes (kitchens, corridors, terraces, etc). Also for offices	<b>D</b>	
Use suitable for commercial areas with regular traffic, commercial premises, hotels, shops, showrooms. Material with good abrasion resistance	<b>E</b>	<b>X</b>
High traffic, use in areas of very intense traffic, highly resistant to wear. Products generally with a good slip resistance	<b>H</b>	

# FANAL

## TECHNICAL PRODUCT SHEET

MODEL

TYNDALL GRAPHITE 6060 REC

### PRODUCTION PROCESS

DRY PRESSED CERAMIC TILE, MANUFACTURED IN A SINGLE-FIRING PROCESS

UNE - EN - 14411

### SURFACE ASPECT

At least 95% of the tiles must be free of visible defects that could harm the appearance of a tile surface

EN - ISO - 10545 - 2

## PHYSICAL PROPERTIES

WATER ABSORPTION (% WEIGHT)	< 0,5%	EN - ISO - 10545 - 3
BREAKING FORCE (N)	> 1.300 N	EN - ISO - 10545 - 4
MODULUS OF RUPTURE (N / mm <sup>2</sup> )	> 35 N/mm <sup>2</sup>	EN - ISO - 10545 - 4
ABRASION RESISTANCE (USE FLOORS)	PEI IV	EN - ISO - 10545 - 7
SLIP RESISTANCE (USE FLOORS)	R 10-B	UNE - ENV - 12633
FROST RESISTANCE	PASS	EN - ISO - 10545 - 12
THERMAL SHOCK RESISTANCE	PASS	EN - ISO - 10545 - 9
CRACKING RESISTANCE	PASS	EN - ISO - 10545 - 11

## PHYSICAL PROPERTIES

### CHEMICAL RESISTANCE

Resistance to low concentrations of acids and bases	MINIMUM GHB CLASS	EN - ISO - 10545 - 13
Resistance to high concentrations of acids and bases	MINIMUM GHB CLASS	
Resistance to household cleaning products	MINIMUM GHB CLASS	
Resistance to pool additives (SALTS)	MINIMUM GHB CLASS	
STAIN RESISTANCE	CLASS - 5	EN - ISO - 10545 - 14

## USAGE AND MAINTENANCE RECOMMENDATIONS

Before placing the product, it must be verified that the material meets the appropriate characteristics for the place of use. The product is identified in the boxes with the reference of the model, tone / Shade, class and caliber. Do not mix boxes with different tones / shade or quality when placing the product.

Handle the product with care to avoid unwanted shocks before installation.

The wall or floor to be covered must be perfectly level, not showing flatness defects. Prior waterproofing is recommended in humid environments.

The surface must be perfectly clean before placing the product.

The adhesive must be suitable for the product to be installed, the characteristics of the support to be coated as well as the material to be installed must be taken into account.

For formats larger than 30 x 30 cms. The double gluing system is recommended, that is, applying the adhesive to both the floor and the tile.

It is recommended in rectified products, not to place the material with a joint less than 1.5 mm. It is also recommended in this type of products to use elements for levelling the material such as wedges or levelling bells, which help to correctly position the tiles among themselves.

In brick bond placement of the product, it is advisable not to move more than 25% of the piece with respect to the adjoining tile.

The material must not be grouted with products with carbon black. It is advisable to use waterproof joints to avoid water seepage that could affect the adhesive of the tiles.

Perimeter joints that absorb post-construction movements must always be considered, the width must be at least 5 mm and they can be filled with compressible material.

Before grouting, check that the installation joints are empty and free of bonding material and dirt. Any intermediate agent reduces the effectiveness of the tile joint, making it difficult to adhere to it. The grouting material will be applied with a rubber trowel, avoiding any metallic type utensil that could damage the surface of the tile. The filling of the joints will be carried out when the tiles are perfectly adhered to the support.

The removal of the material remains should be done with a sponge moistened with clean water; This operation should not be prolonged in time, since excess time of the bonding material in contact with the surface of the tile makes it difficult to remove the residues later.

It is essential to protect the material placed with adequate systems, to prevent possible damage until the end of the work, due to the presence of abrasive materials and the continuous transfer of tools. NEVER USE FLUORHYDRIC ACID FOR CLEANING OR SOLID DETERGENTS WITH PARTICLES.

THE PLACEMENT OF THE MATERIAL WILL BE UNDERSTOOD THAT IT HAS THE CUSTOMER'S ACCEPTANCE. NO CLAIMS OF THE MATERIAL WILL BE ACCEPTED ONCE PLACED.

# Fanal

TECHNICAL PRODUCT SHEET		
<b>MODEL</b>	<b>TYNDALL GRAPHITE 3060 REC</b>	
<b>SIZE</b>	NOMINAL SIZE:	30 X 60
	WORK SIZE:	298,0 X 598,0 X 9,0
<b>PRODUCT TYPE</b>	PORCELAIN	
<b>SURFACE FINISHING</b>	RECTIFIED	

## PROPERTIES

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