



QUA | **30**
STONE | **mm**



AVESTRUZ

TECHNOLOGY AT ITS BEST...

GRANITES OF A WONDERFUL COMBINATION. QUARTZ CRYSTALS, WATER POWER AND UNIQUE QUALITY... QUA'S MOST IMPORTANT ASSETS, INNOVATIVE SPIRIT, TECHNICAL SUPERIORITY AND LASTING QUALITY COME TOGETHER TO OFFER ONLY THE BEST.

THE 30 MM STATE OF SUPERIOR TECHNOLOGY

BE PREPARED TO MAKE A DIFFERENCE IN SPACES YOU DESIGN WITH THE 30 MM THICK QUA GRANITE PRODUCTS OF SUPERIOR DURABILITY THAT USE STAIN-FREE TECHNOLOGY. THE 30 MM GRANITE THAT YOU CAN COMFORTABLY USE IN EXTERIOR AND INTERIOR SPACES IS AN IDEAL SOLUTION FOR SOCIAL AREAS THANKS TO ITS EASY INSTALLATION AND REMARKABLE STRENGTH.



PIETRA

POWER DERIVED FROM DURABILITY

THE 30 MM GRANITE IS SPECIALLY PRODUCED TO YIELD EXCEPTIONAL DURABILITY. ITS EASY INSTALLATION AS ONE PIECE AND ITS TEXTURED SURFACES PROVIDE MAXIMUM SAFETY IN ALL EXTERIOR AND INTERIOR SPACES.



INTELLIGENT CHOICE FOR HIGH-TRAFFIC AREAS

THE NEW 30 MM PORCELAIN GRANITE TILES ARE IDEAL FOR OUTDOOR PAVINGS. HARD-WEARING AND RESISTANT TO THERMAL SHOCK, LOADS AND STRESSES.

THANKS TO ITS SUPERIOR TECHNICAL STRENGTH, THE 30 MM GRANITE IS IDEAL FOR PRIVATE AND SOCIAL SPACES. YOU CAN SAFELY USE IT IN AREAS WITH HEAVY TRAFFIC SUCH AS TERRACES, BALCONIES, ROOF SUNBATHING AREAS, PATIOS, COASTS, BEACHES, SWIMMING POOLS, HIGHWAYS, SUBWAYS, AIRPORTS, STATIONS, PARKS, UNDERPASSES AND VILLA GARDENS.

ITS THICKNESS AND DURABILITY GUARANTEE THAT IT DOES NOT BREAK EASILY ON SLOPING SURFACES, UNLIKE SOME SIMILAR PRODUCTS.

IT OFFERS PRACTICAL AND ECONOMICAL USES IN HOTELS, CORPORATE FIRMS, SIZABLE WORKPLACES, KITCHENS AND AREAS WHERE HEAVY MATERIALS ARE TRANSPORTED AND ARE LIKELY TO COLLAPSE.



STREET FURNISHING



SWIMMING POOLS



TERRACES



WALKWAYS



BEACHES



VEHICLE ENTRANCES AND GARAGES



GARDENS



INDUSTRIAL AREAS



- **HIGH RESISTANCE AGAINST BREAKAGE.** (MORE THAN 1,000 KG PER SQUARE CENTIMETER)
- **EASY TO INSTALL WITHOUT A NEED FOR AN EXPERT.** (FOR DRY APPLICATIONS)
- **EASILY DISMANTLED, RENEWABLE AND REUSABLE**
- **ANTI-SLIP.** (R11 B STANDARD PRODUCTION OR CUSTOM-MADE TO SUIT INDIVIDUAL SPECIFICATIONS)
- **RESISTANT TO THERMAL SHOCK.**
- **UNCHANGING OVER TIME DUE TO ITS DURABILITY.**
- **NONABSORBENT.** (WATER ABSORPTION IS LESS THAN 0.1 PERCENT)
- **EASY TO CLEAN; SUITABLE FOR PRESSURE WASHERS.**
- **RESISTANT TO FREEZING.**
- **RESISTANT TO FIRE.**
- **RESISTANT TO SALT.**
- **RESISTANT TO MOLD, ALGAE AND PESTICIDES.**

VERTICE

THE 30 MM STATE OF SUPERIOR TECHNOLOGY

THE 30 MM GRANITE THAT YOU CAN COMFORTABLY USE IN EXTERIOR AND INTERIOR SPACES IS AN IDEAL SOLUTION FOR SOCIAL AREAS THANKS TO ITS EASY INSTALLATION AND REMARKABLE STRENGTH.

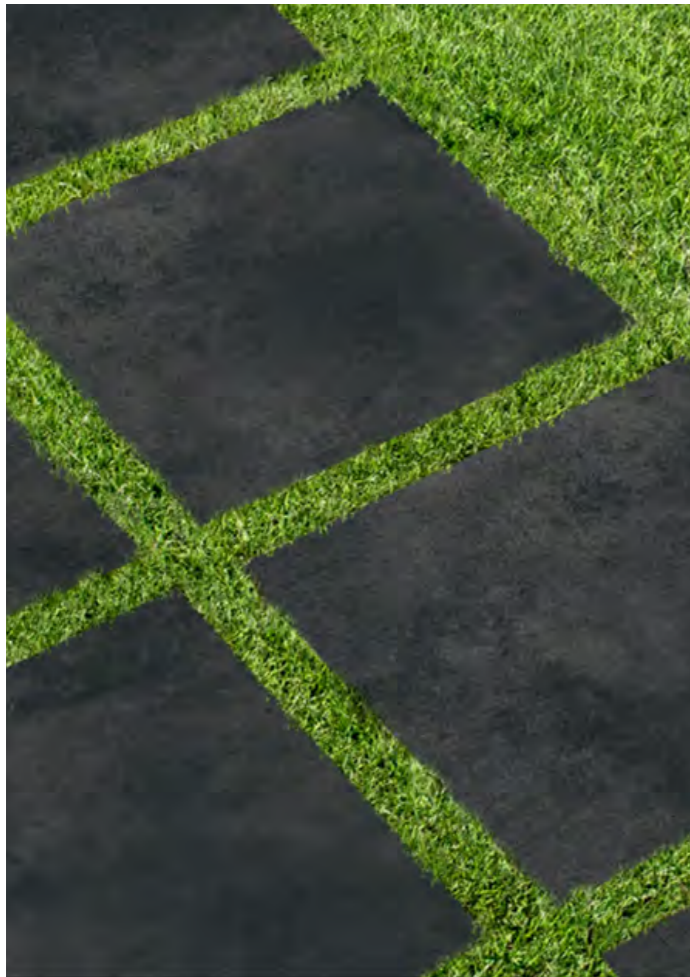
PRACTICAL AND ECO-FRIENDLY SOLUTIONS WITH DRY APPLICATION

YOU CAN INSTALL DRY FLOORING ON LAWNS TO BUILD WALKWAYS, AND GRAVEL AND SAND SUBSTRATES WITH THE 30 MM GRANITE. DRY FLOORING SYSTEM ALLOWS YOU TO START USING AND WALKING ON THE NEWLY-INSTALLED SURFACE

IMMEDIATELY, UNLIKE CONVENTIONAL REINFORCED CONCRETE FLOORS THAT NEED LENGTHY PREPARATION. IN ADDITION TO BEING PRACTICAL AND NOT REQUIRING GLUE, GROUTING OR A FLOORING CONTRACTOR, IT IS AN ECOLOGICALLY SUSTAINABLE AND AN ENVIRONMENTALLY FRIENDLY PRODUCT.

DIRECT APPLICATION ON GRASS:

GRANITE QUICKLY INTEGRATES INTO THE SPACE; YOU CAN EASILY CREATE CUSTOM-MADE WALKWAYS.



APPLICATION ON GRAVEL:

IT ALLOWS PROPER DRAINING OF RAIN WATER.



APPLICATION ON SAND:

TO AVOID OVERHEATING OF THE SURFACE (PREFERABLY WITH LIGHT COLORED GRANITE), YOU CAN MAKE PEDESTRIAN PATHWAYS, AS WELL AS ON COASTLINES AND BEACHES.



MAXIMUM RESISTANCE AND HIGH PERFORMANCE SOLUTIONS WITH TRADITIONAL APPLICATION

THE TRADITIONAL ADHESION TECHNIQUE IS THE MOST EFFECTIVE METHOD FOR HEAVY TRAFFIC GROUND APPLICATIONS.

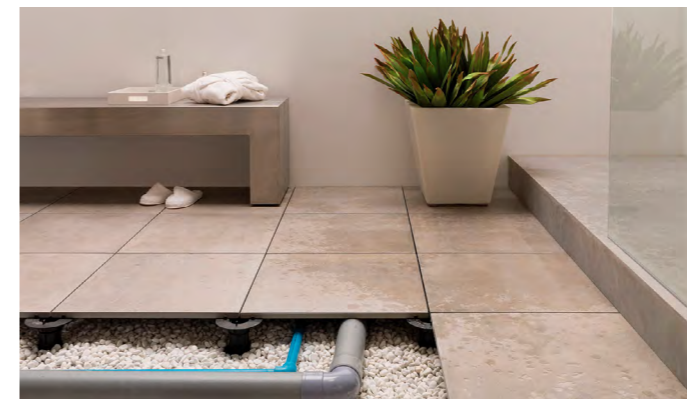
THANKS TO ITS SPECIAL THICKNESS, THE 30 MM GRANITE IS EXTRAORDINARILY RESISTANT TO BREAKAGES AND CRACKING. IN ORDER TO PREVENT THE SLAB FROM BEING DETACHED DUE TO THE STRUCTURAL COLLAPSE OF THE SURFACE, A DOUBLE SPREADING METHOD WITH AT LEAST A 5 MM JOINT LINE SHOULD BE USED.

TRADITIONAL APPLICATION: BY APPLYING ADHESIVE TO THE FOUNDATION, IT IS POSSIBLE TO MAKE INDUSTRIAL AND COMMERCIAL FLOORS SUITABLE FOR VEHICLES TO TRAVEL ON, AS WELL AS ENTRY RAMPS AND GARAGES.



ELEVATED APPLICATION TO MAKE LIFE EASIER

YOU CAN USE THE 30 MM GRANITE WITH CARRIER SUPPORTS TO ACHIEVE AN ELEVATED APPLICATION. THIS STRUCTURE WILL PRODUCE A CRAWL SPACE. THIS SPACE ALLOWS EASY INSTALLATION AND CONTROL OF CABLES AND PIPES, ESPECIALLY IN INDOOR APPLICATIONS SUCH AS RESIDENTIAL AND WORK PLACES. HEAT AND SOUND INSULATION ARE ENHANCED IN AREAS WHERE ELEVATED APPLICATIONS ARE IMPLEMENTED. IT IS A UNIQUE APPLICATION METHOD TO SOLVE PROBLEMS ON SURFACES WITH GROUND CURVATURE AND COLLAPSE ISSUES. YOU CAN APPLY IT IN A PRACTICAL WAY WITHOUT THE NEED FOR A FLOORING CONTRACTOR, YOU CAN DISMANTLE AND RE-APPLY IT AS FLOORING TO ANOTHER AREA.



FREE SOLUTIONS WITH PERIMETRIC FLOORING

YOU CAN APPLY PERIMETRIC FLOORING AROUND OBSTACLES, CORNERS AND SUPPORTS, IN ANY AREA WHERE YOU WANT TO MAKE CHANGES. IF YOU ARE USING ADJUSTABLE OR SELF-LEVELING SUPPORTS, YOU CAN REMOVE SOME OF THE GRANITE PLACED ON THE APPARATUS. DEPENDING ON THE FIXED APPARATUS AND THE CONDITIONS OF THE APPLICATION, YOU MAY NEED TO CUT THE SUPPORT TO ONE, TWO, THREE OR FOUR.



QUALITY THAT DEFINES THE STANDARDS

THERE ARE NO INDUSTRY STANDARDS FOR ELEVATED FLOORS IN OUTDOOR USE. THE CURRENT STANDARD IS EN 12825. THIS STANDARD MAINLY COVERS ELEVATED FLOOR APPLICATIONS FOR INDOOR USE. THE 30 MM GRANITE OF QUA GRANITE COMPLY WITH THE TS EN 14411 ANNEX G GL GROUP B1A. THE PRODUCTS THAT MAINTAIN THIS STANDARD SUCCESSFULLY MEET ALL THE TESTS, SOME OF WHICH ARE DESCRIBED BELOW, FOR THE PANELS WHICH THE ELEVATED FLOOR STANDARD EVALUATES.

ARTICLE 4.1 LOAD HANDLING CLASS

ARTICLE 4.2 LOAD BEARING CAPACITY WITHOUT DEVIATION

ARTICLE 4.3 ABSORPTION OF DYNAMIC LOAD EFFECT

ARTICLE 4.4 DEVIATION RANGE OF DIMENSIONS

ARTICLE 4.5 PROTECTION AGAINST CORROSION

ARTICLE 4.6 RESISTANCE OF FLOOR COVERING TO PEELING

ARTICLE 4.7 FIRE RESISTANCE

QUA GRANITE RECOMMENDS THE SELECTION OF MATERIALS IN ACCORDANCE WITH THEIR APPLICATION AREAS AND THE USE OF SUPPORT STRUCTURES WITH A MAXIMUM HEIGHT OF 100 MM, IN RELATION TO THE "DYNAMIC LOAD CAPACITY - HARD OBJECT IMPACT TEST".

AVESTRUZ



60 X 60 X 3 / 23,6x23,6x1,18"
45 X 90 X 3 / 17,71x35,4x1,18"

PEI:3 - R11

STARK



45 X 90 X 3 / 17,71x35,4x1,18"
60 X 60 X 3 / 23,6x23,6x1,18"

GREY
PEI:4 - R11

45 X 90 X 3 / 17,71x35,4x1,18"
60 X 60 X 3 / 23,6x23,6x1,18"

GRAPHITE
PEI:3 - R11



60 X 60 X 3 / 23,6x23,6x1,18"

TAUPE
PEI:4 - R11

DAKOTA



60 X 60 X 3
23,6x23,6x1,18"

KOYU GRI / DARK GREY
PEI:4 - R11

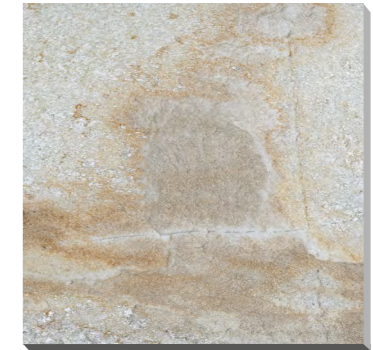
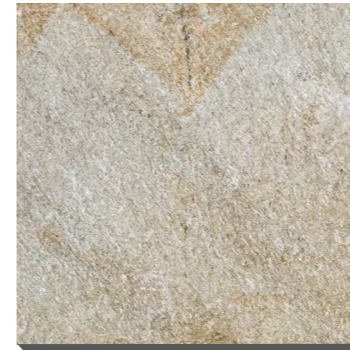
60 X 60 X 3 / 23,6x23,6x1,18"

BEJ / BEIGE
PEI:4 - R11

60 X 60 X 3 / 23,6x23,6x1,18"

GRI / GREY
PEI:4 - R11

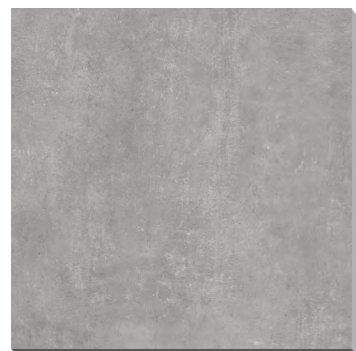
PROFONDO



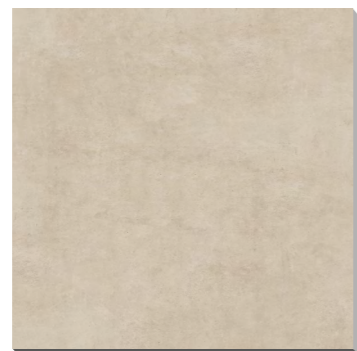
60 X 60 X 3 / 23,6x23,6x1,18"

PEI:4 - R11

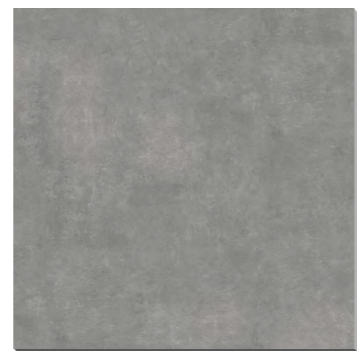
ARK



60 X 60 X 3 / 23,6x23,6x1,18" SILVER
PEI:4 - R11

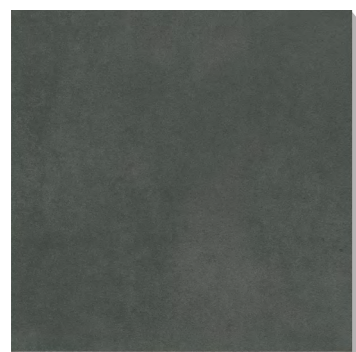


60 X 60 X 3 / 23,6x23,6x1,18" IVORY
PEI:4 - R11

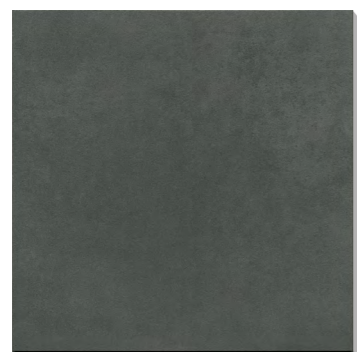


60 X 60 X 3 / 23,6x23,6x1,18" ANTHRACITE
PEI:3 - R11

LUNA



60 X 60 X 3 / 23,6x23,6x1,18" ASH
PEI:3 - R11



60 X 60 X 3 / 23,6x23,6x1,18" MIDGREY
PEI:3 - R11



60 X 60 X 3 / 23,6x23,6x1,18" SAND
PEI:4 - R11



60 X 60 X 3 / 23,6x23,6x1,18" COOL GREY
PEI:4 - R11



60 X 60 X 3 / 23,6x23,6x1,18" SILVER
PEI:4 - R11

PIETRA



60 X 60 X 3 / 23,6x23,6x1,18" BLUE
PEI:4 - R11



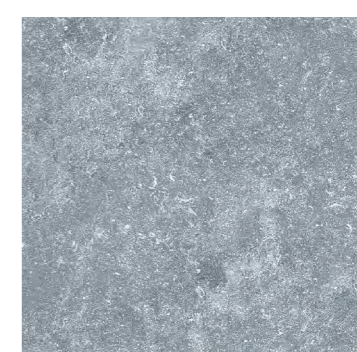
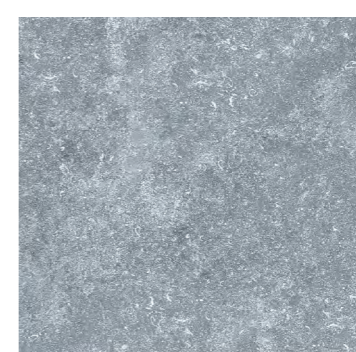
60 X 60 X 3 / 23,6x23,6x1,18" MIDGREY
PEI:4 - R11



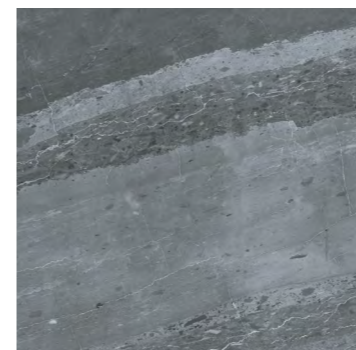
MAVI BLUE



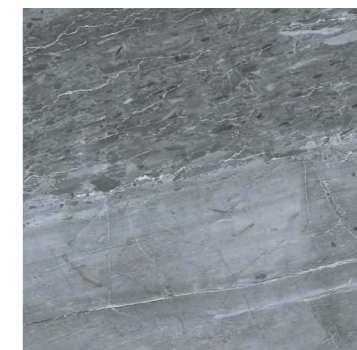
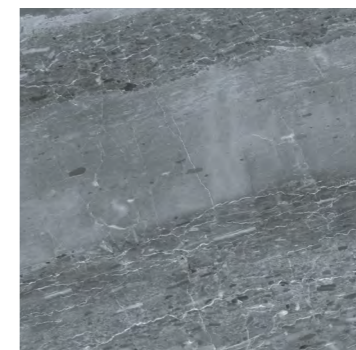
60 X 60 X 3 / 23,6x23,6x1,18" BLUE
PEI:4 - R11



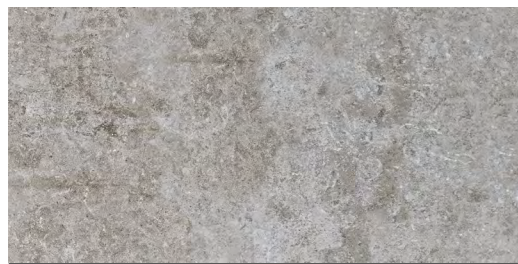
VERTICE



60 X 60 X 3 / 23,6x23,6x1,18" MIDGREY
PEI:4 - R11



LOKEREN



60 X 60 X 3 / 23,6x23,6x1,18"
45 X 90 X 3 / 17,71x35,4x1,18" PEI:4 - R11



STREET



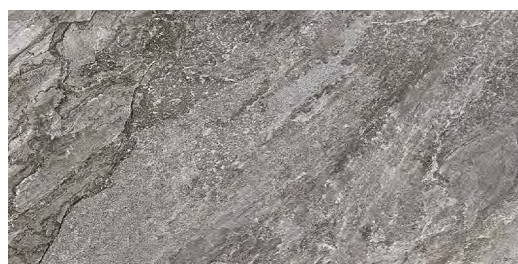
60 X 60 X 3 / 23,6x23,6x1,18" GREY
PEI:4 - R11



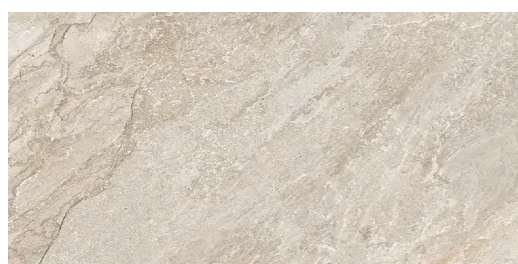
60 X 60 X 3 / 23,6x23,6x1,18" GRAPHITE
PEI:3 - R11



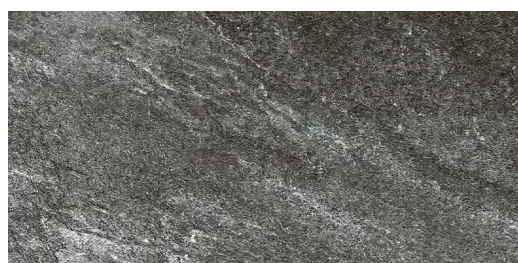
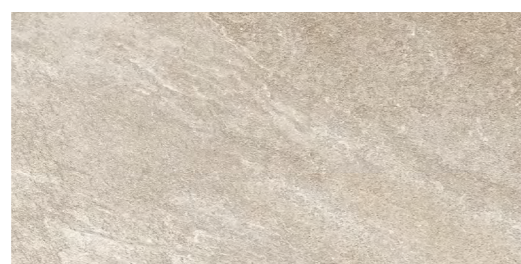
RASA



45 X 90 X 3 / 17,71x35,4x1,18" GREY
PEI:4 - R11



45 X 90 X 3 / 17,71x35,4x1,18" BEIGE
PEI:4 - R11



45 X 90 X 3 / 17,71x35,4x1,18" NERO
PEI:3 - R11



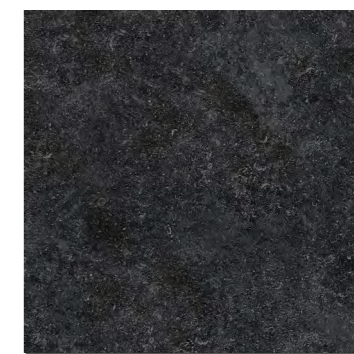
BENELUX



60 X 60 X 3 / 23,6x23,6x1,18" BLACK
PEI:3 - R11



60 X 60 X 3 / 23,6x23,6x1,18" GREY
PEI:4 - R11



PORCELAIN TILE SURFACE SLIP RESISTANCE AND SUITABLE USING AREAS

ANTI-SLIP PROPERTIES ACCORDING TO DIN 51130, DIN 51097

AT THE MOMENT THERE IS NO EUROPEAN NORM THAT DETERMINES THE DEMANDS FOR SLIP RESISTANCE. BUT AS IN EVERYDAY USE, WHEN THE SLIP RESISTANCE IS VERY IMPORTANT, THE CURRENT GERMAN STANDARDS ARE USED FOR CLASSIFICATION.

THE SLIP RESISTANCE IS INFLUENCED BY MAINTENANCE AND WEAR.

THESE TWO STANDARDS DISTINGUISH BETWEEN THE SLIPPERINESS OF FLOOR SURFACES IN AREAS

- DIN 51130 WHERE PEOPLE WALK WITH THEIR SHOES ON (R9-R13) AND
- DIN 51097 WITH BARE FEET (A, B, C)

THE R LEVEL INDICATES THE ANGLE OF SLIPPAGE.

THE MEASUREMENT METHOD SPECIFIED IN DIN 51130 DISTINGUISHES AMONG THE FOLLOWING **R SLIPPERINESS CLASSES** AND PROVIDES INDICATIONS AS TO WHERE THEY MAY BE USED:

R9 (6° < R9 < 10°) ENTRANCES AND STAIRWAYS ACCESSED FROM OUTSIDE, RESTAURANTS, SHOPS, CLINICS, HOSPITALS, SCHOOLS.

R10 (10° < R10 < 19°) SHARED TOILETS AND SHOWERS, SMALL KITCHENS IN RESTAURANTS AND CAFES, GARAGES AND BASEMENTS.

R11 (19° < R11 < 27°) FOOD PRODUCTION FACILITIES; MID-SIZED KITCHENS IN RESTAURANTS AND CAFÉS, WORKING ENVIRONMENTS WHERE THERE IS A LOT OF WATER AND SLUDGE, LABORATORIES, LAUNDRIES, HANGARS.

R12 (27° < R12 < 35°) PRODUCTION FACILITIES FOR FOODS RICH IN FATS SUCH AS DAIRY PRODUCTS, FOOD OILS, CURED MEATS, LARGE KITCHENS IN RESTAURANTS AND CAFÉS, INDUSTRIAL AREAS WHERE SLIPPER SUBSTANCES ARE USED.

R13 (> 35°) PLACES WHERE LARGE QUANTITIES OF FATS ARE USED, FOOD PROCESSING AREAS.
























THE MEASUREMENT METHOD SPECIFIED IN DIN 51097 DEFINES THE SLIP RESISTANCE FOR AREAS WHERE PEOPLE WALK WITH BARE FEET AND RESULT IS DIVIDED INTO CATEGORIES A, B AND C.

A (≥ 12°) - DRY AREAS WHERE PEOPLE WALK BAREFOOT AND CHANGING ROOMS.

B (≥ 18°) - SHOWERS, BATHROOMS, AREAS SURROUND SWIMMING POOLS, CHILDREN'S SWIMMING POOL AND BOTTOM OF SHALLOW POOLS.

C (≥ 24°) - CROSSING AREAS IN SWIMMING POOL, TILTED EDGES OF SWIMMING

SYMBOLS

 v1	 POLISHED	 WHITE BODY	 DONA DAYANIM FROST RESISTANCE
 v2	 MATT	 RECTIFIED	 INKJET
 v3	 COLOUR BODY	 LAPPATO	 WALL & FLOOR
	 FULL BODY	 FULL LAPPATO	 SUGAR EFFECT
	 GLOSSY	 SATIN MATT	
	 8,5mm THICKNESS	 9mm THICKNESS	 10mm THICKNESS
	 6,5mm THICKNESS	 20mm THICKNESS	 30mm THICKNESS

CERTIFICATIONS

TSE DOUBLE STAR

TSE CERTIFICATE OF CONFORMITY TO DOUBLE STAR CRITERIA



EN 14411 ANNEX G GROUP B1a

TURKISH STANDARD FOR CERAMIC TILES



ISO 9001

CERTIFICATE OF QUALITY MANAGEMENT SYSTEMS



OHSAS 18001

CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS



ISO 14001

CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEMS



CE

DECLARATION OF PERFORMANCE



