



HUUN[®]
ALUMINIUM TECHNOLOGY

EXPAND YOUR OUTDOOR SPACE

PERGOLA



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ALUMINIUM TECHNOLOGY



PERGOLA

EXPAND YOUR OUTDOOR SPACE

'A seed grows with no sound, but a tree falls with a huge noise. Destruction has noise, but creation is quiet. This is the power of silence. Grow silently.'

Confucius

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HUUN // PERGOLA SYSTEMS BRING FUNCTIONALITY AND STYLE TO OUTDOOR SPACES, MAKING THEM A FANTASTIC OPTION WHEN YOU WANT TO **PROTECT AN OUTDOOR AREA FROM RAIN, WIND AND HEAT** ALL YEAR ROUND. RETRACTABLE PERGOLAS CAN BE EASILY INTEGRATED INTO ANY OUTDOOR SPACE, MAKING THEM PERFECT FOR COMMERCIAL, RESIDENTIAL APPLICATIONS. THE HIGHEST COMFORT IS ENSURED BY A PERFECT AUTOMATION SYSTEM THAT CAN BE **REMOTELY CONTROLLED**, AND A RANGE OF ACCESSORIES THAT WILL ENHANCE THE PERGOLA'S USE EXPERIENCE, IN ANY PART OF THE DAY.

RETRACTABLE AWNINGS HAVE BECOME THE MOST EFFECTIVE AND CONVENIENT TYPE OF AWNING IN USE. AS THE NAME SUGGESTS, THEY CAN BE RETRACTED AND EXTENDED WHENEVER YOU REQUIRE, THUS **YOU CAN PROTECT IT AGAINST HARSH WEATHER**. FOR RESIDENTIAL APPLICATIONS, PERFECT WAY TO INCREASE THE CURB APPEAL OF YOUR BUILDING AND PROVIDE YOU A RELAXED OUTDOOR ATMOSPHERE IT HELPS TO SAVE YOU MONEY BY MAKING YOUR HOME **MORE ENERGY-EFFICIENT**. **BLOCKING THE PATH OF SUNRAYS** CAN DIRECTLY COOL THINGS DOWN, THUS IN TURN SAVE ENERGY. IT CAN ALSO REDUCE HEAT GAIN AND CUT DOWN ELECTRIC BILL AS DISCUSSED BELOW RESPECTIVELY. FOR COMMERCIAL APPLICATIONS WHILE INCREASING OUTDOOR USAGE AREA, HELPS OWNERS TO WELCOME MORE GUESTS AND FEEL THEM MORE COMFORTABLE AND ENJOY WITH THEIR MEALS. IT MEANS MORE PROFIT AND IMPROVING SATISFACTION LEVEL OF GUESTS ALL YEAR ROUND. WITH THIS FEATURE, RETRACTABLE PERGOLA IS NOT THE CHOICE, IT IS ESSENTIAL PRODUCT.





THE WATERPROOF, FIRE-RETARDANT FABRIC PROTECTS FROM **DAMAGING AND UNCOMFORTABLE UV LIGHT** AND HEAT, KEEPS THE RAINWATER OFF OF THE SPACE IT PROTECTS. **WIND RESISTANCE** IS GUARANTEED UP TO CLASS 6 AS PER UNI PR EN 13561. SNOW LOAD RESISTANCE IS NOT GUARANTEED. MOISTURE CONDENSATION ON THE CLOTH IS A NATURAL PHENOMENON AND SHOULD NOT BE CONSIDERED A FLAW.

HUUN // PERGOLA IS POWDER – COATED ALUMINUM WITH CLEAN AND AESTHETIC LINES AND A STRUCTURE FITTED WITH SUPPORTING PAINTED ALUMINUM GUTTER. 100X130 CM SIDE GUIDES AND WATER DRAINAGE INTEGRATED IN THE LEG. **AVAILABLE IN WALL MOUNT, CEILING OR SELF-BEARING VERSION.** FOR A PROPER DRAINAGE OF WATER, IT MUST BE INSTALLED WITH **A MINIMUM %8 SLOPE.** FIRST QUALITY RAW MATERIALS AND ULTIMATE DESIGN OFFERS HIGH QUALITY TOGETHER WITH AESTHETIC VIEW.

THE SYSTEM WORKS WITH **SPECIAL STRETCHER AND TRANSMISSION SYSTEM** AND IT IS VERY SUITABLE FOR OUTDOOR AREAS. THANKS TO QUALIFIED FABRIC, PROVIDES ENERGY SAVING BESIDES SHADING SUN. WITH **INTERNAL LED ILLUMINATION**, GIVES STYLISH APPEAL AND COMFORT TO USERS. WITH REMOTE CONTROL, THE SYSTEM WOULD OPEN AND CLOSE WITHIN SECONDS WITH MINIMUM EFFORT. SYSTEM ALSO FULLY ADAPTABLE TO HOME AUTOMATION SYSTEMS AND OFFERS GREAT FLEXIBILITY WITH HIGH SECURE WIRELESS TECHNOLOGY.





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THE SYSTEM CONSISTS FROM **WATERPROOF PVC COVER**, SUPPORTED BY ALUMINUM INTERMEDIATE SECTION BARS. CARRIAGES MAKE THE SECTIONS BARS SLIDE ON TRACKS AND ARE DRIVEN BY A **HIGH RESISTANCE TOOTHED BELT** THAT ROTATES ON ROLLER BEARINGS. INTERMEDIATE SECTION BAR, FRONT BAR AND GUIDES ARE IN EXTRUDED POWDER-PAINTED ALUMINUM. BRACKETS AND ACCESSORIES ARE **STAINLESS STEEL**. SUN, WIND AND RAIN SENSORS ARE AVAILABLE TO OPEN AND CLOSE THE PERGOLA ACCORDING TO THE WEATHER CONDITIONS. RAINWATER IS DISCHARGED THROUGH THE INTEGRATED GUTTER IN THE FRONT. DRAINAGE IS INCORPORATED IN THE POSTS, ALLOWING THE WATER TO DRAIN TO THE GROUND.

THE PERGOLA CAN BE INTEGRATED WITH PANORAMA OR SLIDING SYSTEMS. PERFECT COMBINATION IS ON TOP PERGOLA, PANORAMA TAKES PLACE AT FRONT AND SLIDING SYSTEMS AT SIDE PARTS. WE OFFER TWO DIFFERENT RAIL SIZES AS **11X15 CM THICK RAIL AND 8X13 CM THIN RAIL**. WITH THIN RAIL, MAXIMUM 5 METER PROJECTION IS POSSIBLE AND WITH THICK RAIL THIS PROJECTION WOULD BE MAXIMUM AS 10 METER. IN SYSTEM GUTTER, LEG AND FABRIC PROFILES ARE ALL SAME AND JUST RAIL SIZES ARE CHANGING ACCORDING TO PROJECTION LENGTH OR PERGOLA.





POSSIBLE LAYOUTS

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ADVANTAGES

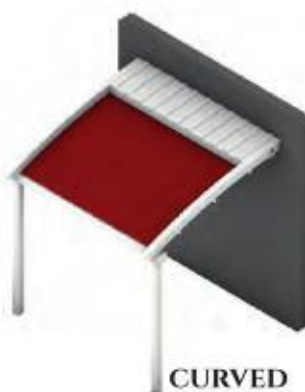
APPLICATIONS AND SIZES OPTIONS

PROFILES

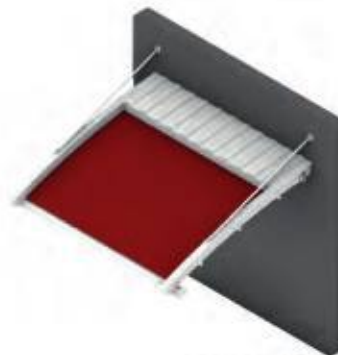
SECTION DETAILS

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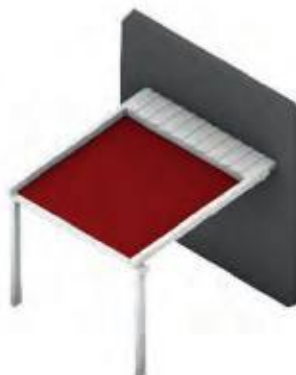
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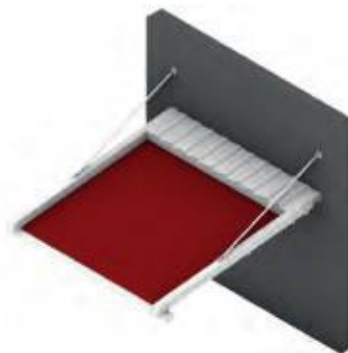
CRYSTAL



PEARL



SMOOTH



SILVER



SAPPHIRE



EMERALD



RUBY





ADVANTAGES



HIGHLY RESISTANT ALUMINUM STRUCTURE THAT PROVIDES UTMOST SECURITY, EVEN IN **STRONG WINDS UP TO 115 KM/H**



THIS INNOVATIVE SYSTEM **ALLOWS YOU TO ENJOY COOL ENVIRONMENT IN SUMMER**, CONSIDERABLY REDUCING INSIDE TEMPERATURE



THANKS TO **HIGH QUALITY PVC FABRIC USED**, THE COVERING IS TOTALLY IMPERMEABLE TO WATER



IN WINTER THE COVERING **CAN BE HEATED WITH ELECTRICAL HEATERS** AND IT PROVIDES ALL ROUND COMFORT.



HIGH QUALITY FABRIC AND **PAINTED OR ANODIZED ALUMINUM PROFILES** GUARANTEE UNBEATABLE DURABILITY EVEN IN HARS CONDITIONS LIKE SALTNESS



HIGH INTEGRATED DRAINAGE SYSTEM PROVIDES TO DRAIN ALL WATER THROUGH THE OUTSIDE OVER GROUND PILLAR OUTLET



AVOID THE UNDESIRABLE PHONEMENON OF CONDENSATION WHICH IS VERY COMMON WITH TRADITIONAL COVERING.

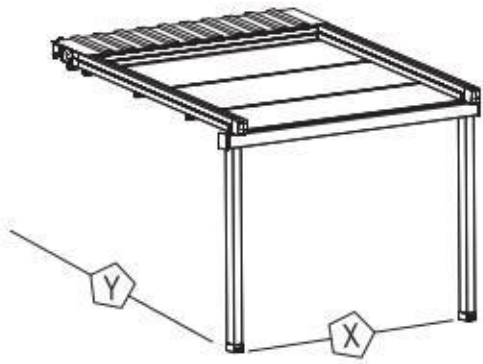


THE SYSTEM **GUARANTEES A SIGNIFICANT REDUCTION OF SOUND AT INSIDE AND OUTSIDE OF COVERING.**

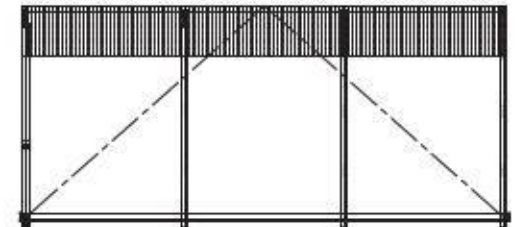
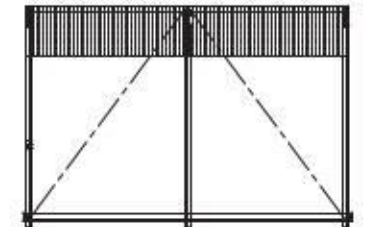
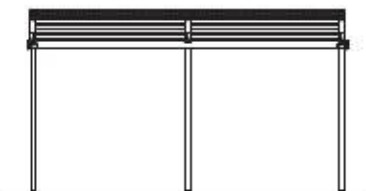




APPLICATIONS AND SIZE OPTIONS



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1 MODULE

2 MODULES

3 MODULES

	(X) Width Min	(X) Width Max
1 Module	2000 mm	4000 mm
2 Modules	3500 mm	6000 mm
3 Modules	6000 mm	9000 mm

	Thin Rail 80 x 130 mm		Thick Rail 110 x 150 mm	
	(Y) Min	(Y) Max	(Y) Min	(Y) Max
1 Module	2000 mm	5000 mm	2000 mm	10000 mm
2 Modules	2000 mm	5000 mm	2000 mm	10000 mm
3 Modules	2000 mm	5000 mm	2000 mm	9000 mm

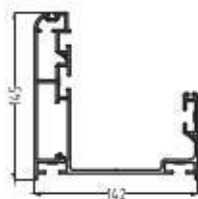




PROFILES

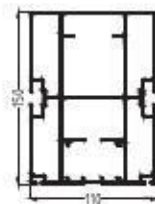
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12452

WEIGHT 4188,5
(kg/m)



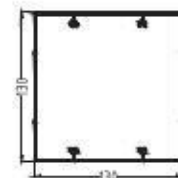
11608

WEIGHT 6351
(kg/m)



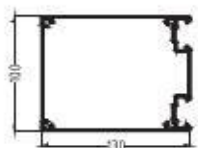
11985

WEIGHT 3640,2
(kg/m)



5536

WEIGHT 3103
(kg/m)



11499

WEIGHT 2968,6
(kg/m)



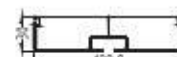
11500

WEIGHT 141,4
(kg/m)



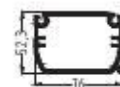
M6243

WEIGHT 2517
(kg/m)



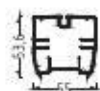
M6133

WEIGHT 1274,8
(kg/m)



M6490

WEIGHT 1560,2
(kg/m)



M6488

WEIGHT 1215,5
(kg/m)



M6489

WEIGHT 240
(kg/m)



11610

WEIGHT 1005,5
(kg/m)



11626

WEIGHT 91,4
(kg/m)



M6160

WEIGHT 359,6
(kg/m)



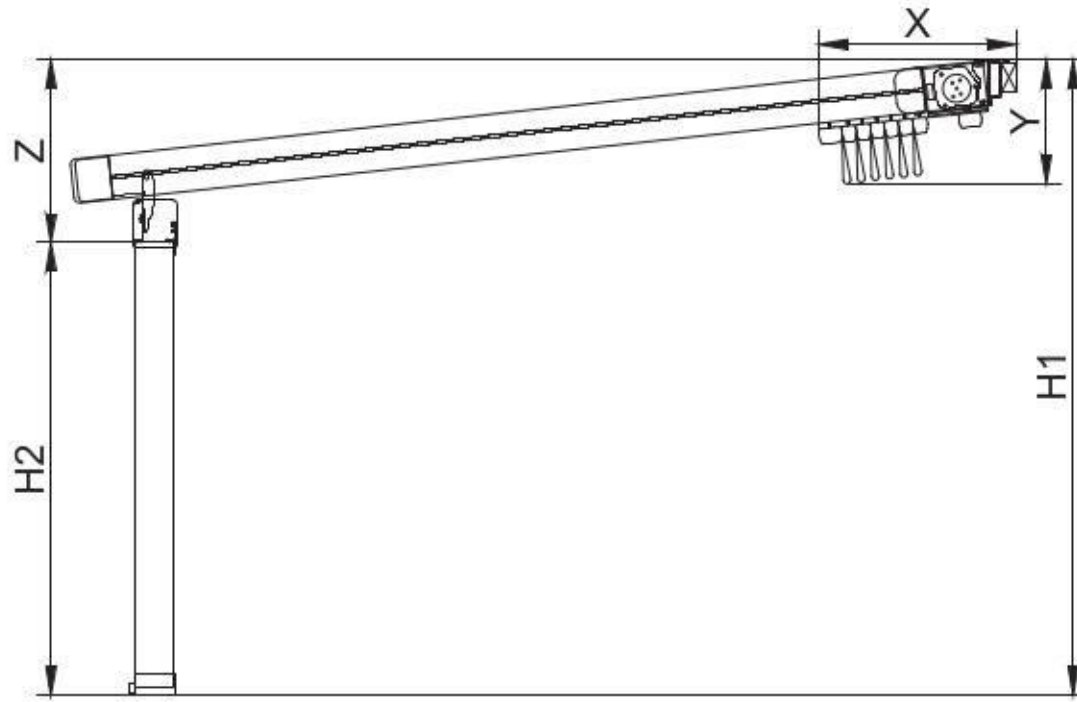
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CALCULATIONS



PROJECTION		Hood	Fabric Height	H1-H2	Number of Fabric Profiles
		X (mm)	Y (mm)	Z (mm)	PCS
	3000 mm	671	422	623	7
	3400 mm	720	428	669	8
	3800 mm	769	434	715	9
	4200 mm	818	440	761	10
	4600 mm	867	446	807	11
	5000 mm	916	452	853	12
	5400 mm	965	458	899	13
	5800 mm	1014	464	945	14
	6200 mm	1063	470	991	15
	6600 mm	1112	476	1037	16
	7000 mm	1161	482	1083	17
	7400 mm	1210	488	1129	18
	7800 mm	1259	494	1175	19
	8200 mm	1308	500	1221	20
	8600 mm	1357	506	1267	21
	9000 mm	1406	512	1313	22
	9400 mm	1455	518	1359	23
	9800 mm	1504	524	1405	24

TECHNICAL DETAILS

ALUMINUM: THE MATERIALS USED BY EMREALUMINYUM – ALUMINUM AND GLASS – MEET THE HIGHEST QUALITY AND STANDARDS. ALL OF THE ALUMINUM WE USE IN OUR SYSTEMS ARE MADE OF 1ST QUALITY T6 6063 ALLOYS AT OUR OWN EXTRUSION FACILITY. US, WE ARE ABLE TO CONTROL ALUMINUM PARAMETERS FROM RAW MATERIAL TO THE FINAL PRODUCT IN ORDER TO ENSURE IF THE INTENDED QUALITY IS ACHIEVED OR NOT. E ALUMINUM IS NOT ONLY CORROSION PROOF AND LIGHT, BUT IT IS ALSO INTENSIVELY DURABLE AND WITH THESE FEATURES IT IS THE BEST MATERIAL FOR PERGOLA SYSTEMS.



FABRIC : THE FERRARI EXCLUSIVE MANUFACTURING TECHNOLOGY COMBINED WITH A SPECIFIC SURFACE TREATMENT ENSURES THE LONG-TERM DURABILITY OF THESE TEXTILE INSTALLATIONS. %100 RECYCLABLE THANKS TO TEXYLOOP TECHNOLOGY AND IT COMBINES AESTHETIC AND ECOLOGICAL DESIGN. IT OFFERS EFFECTIVE SOLUTIONS FOR COUNTERACTING THE HARMFUL EFFECTS OF SOLAR RADIATION. NEW FORMULATIONS PROVIDE THE FABRIC WITH HIGH THERMAL PERFORMANCE CHARACTERISTICS INCLUDING THOSE OF THE DARKEST COLOURS. ITS HIGH HEAT REFLECTION CAPACITY CONTRIBUTES TO IMPROVING USER COMFORT.

MOTOR : SOMFY MOTOR DESIGN MEETS THE NEEDS FOR MANY SHADING OR WINDOW APPLICATIONS. THESE MOTORS OFFERED IN VARIOUS SIZES AND TECHNOLOGY OPTIONS CAN BE USED ON PROJECTS OF ALL SHAPES AND SIZES. SOMFY MOTORS ARE MORE ECONOMICAL AT THE PROJECT LEVEL AS THE ARCHITECT CAN SPECIFY THE MOTOR TECHNOLOGY REQUIRED FOR THEIR SPECIFIC PROJECT AND RECEIVE COMPETITIVE PROPOSALS FROM MULTIPLE SHADE DEALERS. MOTORS ARE FULLY ADAPTABLE TO CONTROL WITH REMOTE OR APPLICATIONS BY USING SMART PHONE, TABLET OR PC. ALSO POSSIBLE TO COUPLE WITH SENSORS LIKE WIND, LIGHT AND RAIN.



CONNEXOON : FROM MOTORISED PERGOLA TO CONNECTED PERGOLA... IT'S JUST ONE STEP AWAY AND HAS BECOME ACCESSIBLE TO EVERYONE. NO NEED FOR AN INTERNET CONNECTION ON SITE TO INSTALL THE BOX AND LINK THE EQUIPMENT AS CONNEXOON IS SIMPLY INSTALLED IN PLUG AND PLAY MODE*. IDEAL DURING RENOVATIONS. INTUITIVE, CLEVER, FUN. IN SHORT, WITH THE TIMES! EACH CONNEXOON APPLICATION HAS BEEN DESIGNED TO MAKE LIFE SIMPLER AND MORE BEAUTIFUL IN JUST ONE CLICK.

REMOTE CONTROL : CLEAR OR DYNAMIC COLOURS, NICE TO THE TOUCH, THE NEW SITUO 10 COLLECTION HAS IT ALL. AVAILABLE IN 1 OR 5 CHANNELS, FOR INDIVIDUAL OR GROUP CONTROL OF PERGOLA, PANORAMA, ZIP SCREEN AND EVEN LIGHTING





TIMING BELT : ELATECH PRODUCTION INCLUDES THE WIDEST RANGE OF HIGH PERFORMANCE PROFILES, ALLOWING TO SELECT THE BEST TECHNICAL SOLUTION IN EVERY DRIVE APPLICATION AND PERGOLA IS ONE OF THEM. BODY MADE OF THERMOPLASTIC POLYURETHANE WITH HIGH WEAR RESISTANCE. TENSION CORDS MADE OF STEEL WITH HIGH TENSILE STRENGTH AND HIGH ELASTIC MODULUS. AT BENDED RAIL PROJECTS, WE OFFER FABRIC ON TEETH IN ORDER TO REDUCE THE COEFFICIENT OF FRICTION, IMPROVE THE TOOTH ENGAGEMENT AND REDUCE THE NOISE.

CONVERTER : SUITABLE FOR ECONOMICAL LED LIGHTING AND MOVING SIGN APPLICATIONS. SLIM PLASTIC CASE WITH IP67 LEVEL OFFERS ECONOMICAL DESIGN WITH HIGH RESISTANCE AGAINST OUTDOOR CONDITIONS. OPERATION RANGE IS -30 ~70 CELSIUS AND IT IS OPTIMUM PRODUCT FOR OUTDOOR APPLICATIONS.



WHEELS : 6 WHEELS WITH ROLLER BEARING PROVIDES SMOOTH SLIDE AND SILENT OPERATION WHILE OPENING AND CLOSING SYSTEM. BESIDE ALL IT IS INCREASING LIFE TIME OF PERGOLA AND REDUCING MAINTENANCE COST. E PLASTIC BODY OF WHEEL PRODUCED BY %30 GLASSFIBER MIX AND THIS BODY CONNECTED WITH 8X50 INOX SCREW. TO PROVIDE TIGHTNESS, THERE IS LEAKPROOF GASKET AT CONNECTION PART OF FABRIC WITH WHEELS.

PLASTICS : HIGH QUALITY PLASTISC WITH MINIMAL SIZES OFFER PERFECT LOOKING AND SHOW SYSTEM MORE ELEGANT. MINIMAL SIZE OF PLASTICS AND PROFILES WIDER OPENING PERGOLA AND HELPS TO BENEFIT FROM SUN RAYS MUCH MORE WHEN IT IS NEEDED.



CHOICE OF COLORS: VARIOUS HIGH QUALITY COATING OPTIONS (QUALICOAT CERTIFIED), ANODIZED OR WOOD COVER SURFACES FOR ALUMINIUM LETS CUSTOMERS CUSTOMIZE THEIR HUUN PERGOLA. BESIDES ALL, IT HELPS TO PROVIDE ROBUST DURABILITY TO ALUMINIUM.









HUUN®

ALUMINIUM TECHNOLOGY

30 years of experience enables HUUN to offer a complete range of outdoor solutions which made of aluminum alloy, precious fabrics, and glass. HUUN creates sustainable outdoor shading and joinery solutions made of aluminum, that focuses on people and their needs in harmony with nature and technology. The solutions provide minimal operational costs, reduce exterior noise, improve public health and provide high quality fresh air to end users. With outstanding quality, design, and functionality, HUUN is bringing thoughts and feelings of engineers, architects, and designers to life...

Emre Alüminyum Factory

📍 İshaklı Mah. Serinsu Cad. No:5
34829 Beykoz / İSTANBUL
☎ +90 216 561 82 46
✉ info@emrealuminyum.com.tr
🌐 www.huun.com.tr



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