



BSD

BERRAK SU DEPOSU

Berrak Mekanik Sist.İml. ve Müh.San. ve Tic.Ltd.Şti.

PRISMATIC MODULAR WATER TANKS



444 8 251

Berrak Mechanic, since its establishment, it has been applying important factors such as speed, quality, universal standards and service, which it has determined as Vision, in accordance with Turkey and the whole world.

Berrak Mechanic with the other name know as BSD BERRAK WATER TANKS , it has proven its success and quality in a short time in Modular water tanks marketing and producing

Berrak Mechanic; The production of the water tanks such as Prismatic Stainless Water Tanks, Prismatic Galvanized Water Tanks, Prismatic GRP Water Tanks, Prismatic Specialty coated Water Tanks, Cylindrical and Prismatic Welded Water tanks continues.

Our another Vision is always keep pace with technology to provide best service to our customers.

BERRAK MEKANİK SİSTEMLER İML.VE MÜH.SAN.VETİC.LTD.ŞTİ.



USAGE PLACES AND ADVANTAGES

USAGE PLACES

- DOMESTIC WATER STORAGE
- FIRE SYSTEM WATER STORAGE
- AGRICULTURAL WATERING STORAGE

USAGE AREAS

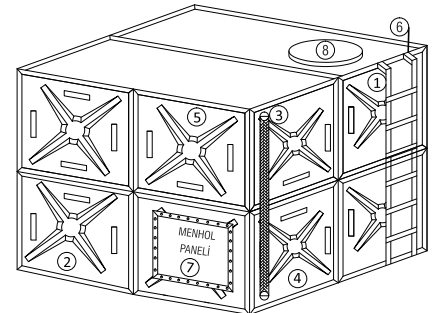
- BUILDINGS
- PUBLIC AREAS
- PRIVATE INSTITUTIONS AND ORGANIZATIONS
- HOTELS
- HOSPITALS
- EDUCATIONAL INSTITUTIONS
- MALLS
- PARKS AND GARDENS
- INDUSTRIAL FACILITIES
- AGRICULTURE AND LIVESTOCK FACILITIES

USAGE ADVANTAGES

- It consists of completely modular and bolted systems.
- Products that come in disassembled form are transported horizontally, so transportation and assembly are very easy.
- It can be easily transported to the assembly area by passing through narrow areas in pieces.
- It is more economical, durable and hygienic compared to welded or reinforced concrete water tanks.
- Prismatic water tanks do not form mold, fungus, bacteria and algae

MODULAR WATER TANKS FITTINGS

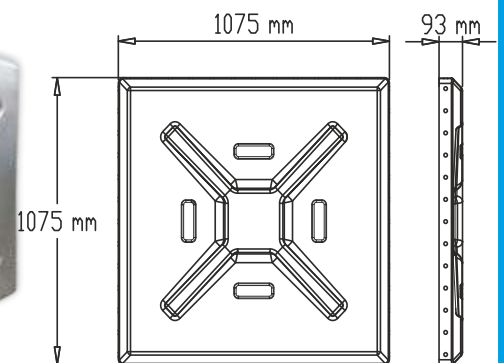
- 1- Tank Filling
2. Pump intake
3. Level indicator
4. Drainage sleeve
6. Ladder
7. Manhole
8. Top lid



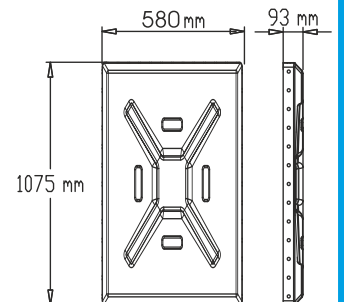
General view of the Modul



Technical view of the Modul



Technical view of the Modul



PRISMATIC MODULAR WATER TANKS OPTIONS

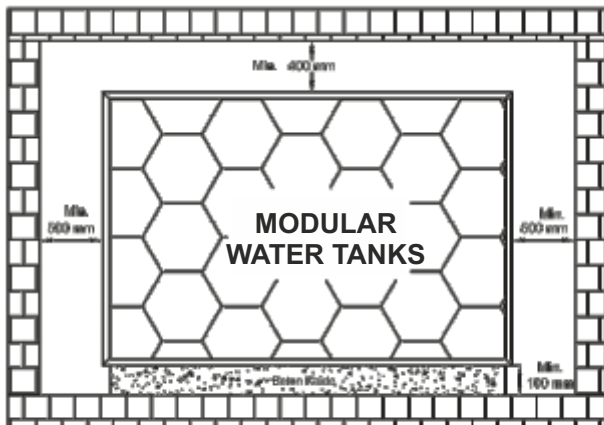
- AISI 304 STAINLESS STEEL
- AISI 316 STAINLESS STEEL
- GALVANIZED STEEL STEEL
- HOT DIP GALVANIZED STEEL
- SPECIALTY COATED STEEL

Determining the option of Prismatic Water Tank is really important due to purpose of use...

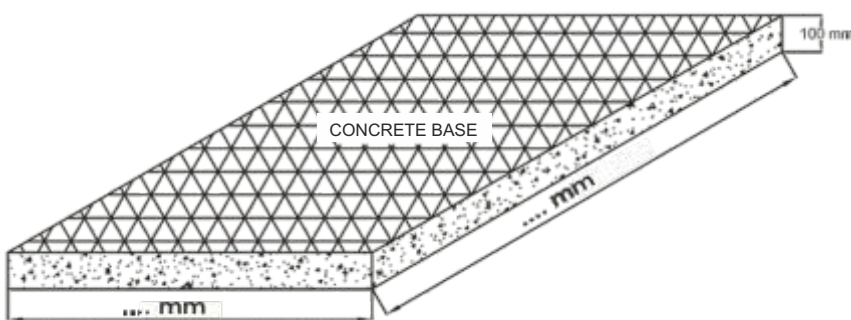


WATER TANK AND CONCRETE BASE PLACEMENT MATTERS TO BE CONSIDERED DURING WATER TANK AND CONCRETE BASE PLACEMENT

When measuring the area where the water tank will be installed, it should be done from the closest places to each other. Protrusions such as columns, beams, doors(heater, pillar, etc.) should not be considered during the measuring the place of concrete base



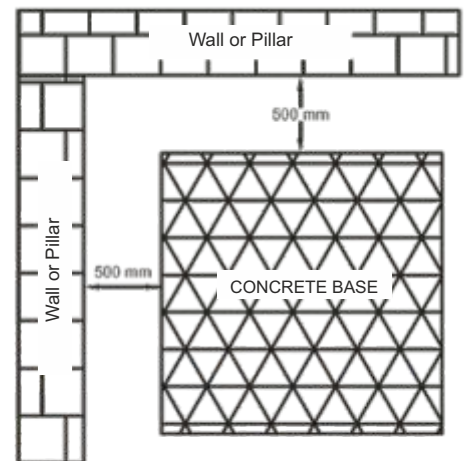
CRITICAL NOTE;concrete base must be in measurements that is given, it shouldn't be longer or shorter



CONCRETE BASE MEASUREMENTS

CAUTIONS

1. THE FREE AREA AROUND THE ASSEMBLY PLACE OF WATER TANK MUST BE AT LEAST 50 CM (TO PROVIDE BETTER ASSEMBLY ADVANTAGES)
 2. CONCRETE BASE MUST BE MUST BE SMOOTH AND SMOOTH SURFACE IN C26 CALIBER
 3. THE AREA BETWEEN ROOF OF THE WATER TANK AND THE CEILING MUST BE AT LEAST 40CM (TO PROVIDE BETTER ASSEMBLY ADVANTAGES)
 - 4 INCLINATION ANGLE MUST BE ZERO.
- OUR DIMENSIONS ARE IN MINIMETER TYPE,



Top view of the concrete base

MODULAR PLASTIC CONCRETE

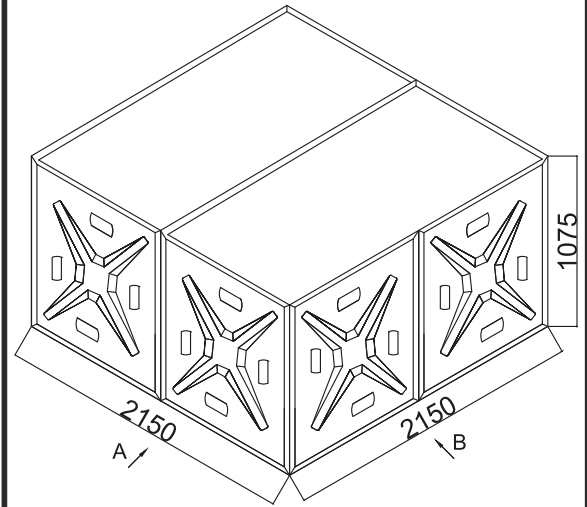
Where it is impossible to construct a concrete base or where the floor is covered, using a plastic base is another option.



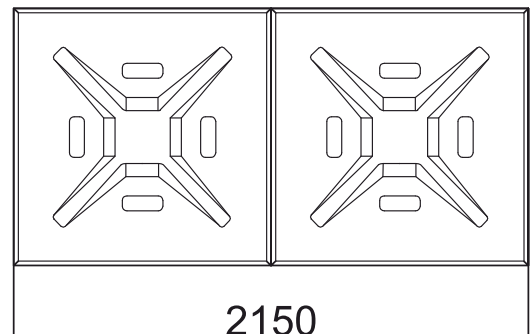
CAPACITY LIST

CAPACITY (m ³)	DIMENSIONS (mm)		
	WIDTH SIGHT	LENGTH SIGHT	HEIGHT SIGHT
1,25	1075	1075	1075
2,5	1075	2150	1075
3,7	1075	3225	1075
5	1075	4300	1075
5	2150	2150	1075
6	1075	5375	1075
7,5	2150	3225	1075
10	2150	4300	1075
11	3225	3225	1075
12,5	2150	5375	1075
15	2150	6450	1075
15	3225	4300	1075
18,5	3225	5375	1075
20	4300	4300	1075

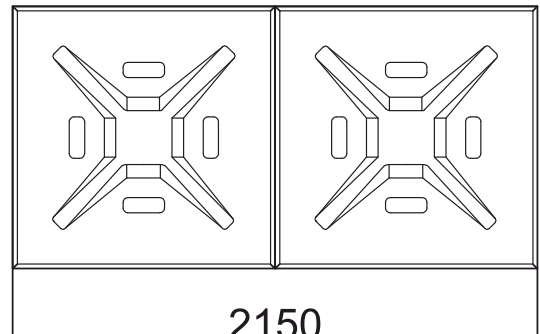
TECHNICAL VISUAL



PERSPECTIVE VIEW



A-VIEW



B-VIEW

SINGLE FLOOR WATER TANK SAMPLE

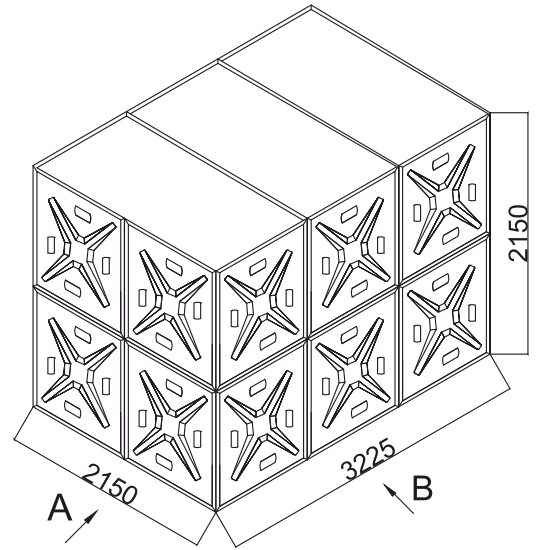


TWO FLOOR WATER TANKS

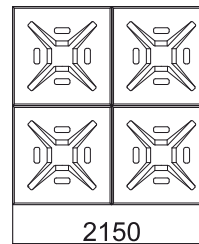
CAPACITY LIST

CAPACITY (m ³)	DIMENSIONS (mm)		
	WIDTH SIGHT	LENGTH SIGHT	HEIGHT SIGHT
2,5	1075	1075	2150
5	1075	2150	2150
6	1325	2150	2150
7,5	1075	3225	2150
10	1075	4300	2150
10	2150	2150	2150
12,5	2150	2650	2150
12,5	1075	5375	2150
15	2150	3225	2150
20	2150	4300	2150
22,5	3225	3225	2150
25	2150	5375	2150
30	2150	6450	2150
30	3225	4300	2150
35	3725	4300	2150
37,5	3225	5375	2150
40	4300	4300	2150
45	3225	6450	2150
50	4300	5375	2150
52	3225	7525	2150
60	4300	6450	2150
62	5375	5375	2150
70	4300	7525	2150
75	5375	6450	2150
80	4300	8600	2150
87	5375	7525	2150
90	6450	6450	2150
100	5375	8600	2150
104	6450	7525	2150
119	6450	8600	2150
134	6450	9675	2150
139	7525	8600	2150
159	8600	8600	2150
179	8600	9675	2150
199	8600	10750	2150
224	9675	10750	2150
249	10750	10750	2150
273	10750	11825	2150
300	11825	11825	2150

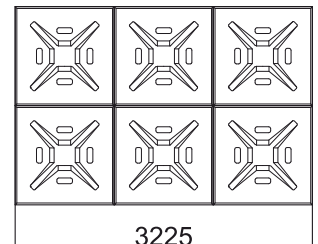
TECHNICAL VISUAL



PERSPECTIVE VIEW



A-VIEW



B-VIEW

WATER TANK SAMPLE

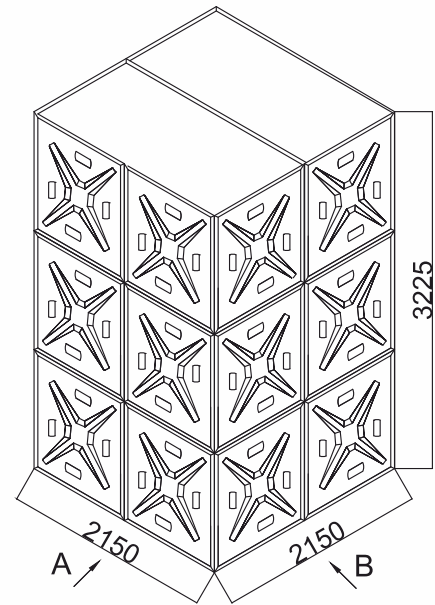


THREE FLOOR WATER TANKS

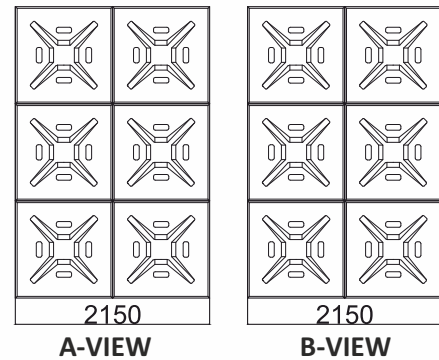
CAPACITY LIST

CAPACITY (m ³)	DIMENSIONS (mm)		
	WIDTH SIGHT	LENGTH SIGHT	HEIGHT SIGHT
3,7	1075	1075	3225
7,5	1075	2150	3225
11	1075	3225	3225
15	1075	4300	3225
15	2150	2150	3225
18,5	1075	5375	3225
22,5	2150	3225	3225
30	2150	4300	3225
33,5	3225	3225	3225
37,5	2150	5375	3225
45	2150	6450	3225
45	3225	4300	3225
56	3225	5375	3225
60	4300	4300	3225
67	3225	6450	3225
75	4300	5375	3225
78	3225	7525	3225
90	4300	6450	3225
93	5375	5375	3225
104	4300	7525	3225
112	5375	6450	3225
119	4300	8600	3225
134	6450	6450	3225
149	5375	8600	3225
157	6450	7525	3225
168	5375	9675	3225
179	6450	8600	3225
201	6450	9675	3225
209	7525	8600	3225
239	8600	8600	3225
268	8600	9675	3225
302	9675	9675	3225

TECHNICAL VISUAL



PERSPECTIVE VIEW



WATER TANK SAMPLE





Specialty coated modular water tanks are resistant to corrosion, in addition, pool balance, well water and acids do not pose a problem for this type of Water Tank. It known as longer lasting usage than Stainless and Galvanized steel tanks.

AVANTAJLARI-ADVANTAGES

- IT IS RESISTANT AGAINST CORROSION (USEFUL FOR WELL WATER AND SEA WATER)
- AS A OPTION IT CAN USED ON GALVANIZED AND STAINLESS WATER TANKS
- IT'S SERVICE ACTIONS ARE CHEAPER THAN OTHERS
- IT DO NOT FORM MOLD, FUNGUS, BACTERIA AND ALGAE
- IT IS IN THE STRONGEST FORM WHEN IT USED ON GALVANIZED STEEL
- IT IS RESISTANT AGAINST DAMP, HUMIDITY AND SWELTING
- IT IS RESISTANT AGAINST IMPACTS AND SCORINGS
- IT'S ASSEMBLY IS REALLY EASY SINCE ITS PARTS ARE PORTABLE
- IT CAN BE USED IN ANY AREAS (IN CLOSED OR OPENED ARES EVEN UNDERGROUND)





**EXTRA RESISTANT SPECIAL FACED
WATER TANKS AGAINST CORROSION**



SOME OF OUR PRISMATIC WATER TANK ASSEMBLIES



You can visit our website
www.berrakmekanik.com
to see our references



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To use your Water tank in best conditions and durability

- * YOU MUST CONNECT THE CONNECTION ANGLES ON THE TANK SUITABLE TO THE INSTALLATION
- * YOU MUST CONNECT A STRAINER FILTER TO THE WATER FILLING AND PUMP SUCTION LINE ON THE TANK.
- * ITS HARMFULL TO PULL OR PUSHT THE WATER TANK AFTER ASSEMBLY
- * THE TANK ITSELF AND THE WATER IT CONTAINS IS CONDUCTOR, AFTER THE ASSEMBLY, THE CONTACT OF ALL KINDS OF ELECTRICAL COMPONENTS WITH THE TANK MUST BE PREVENTED, AT LEAST ONE OF THE METAL INSTALLATION PIPES CONNECTED TO THE HOUSE MUST BE GROUNDED
- * THE AREA WHERE THE TANK IS LOCATED SHOULD AWAY FROM ALL KINDS OF CHEMICAL VOLATILE MATERIALS, SEWAGES AND WATER STEAM.
- * WATER TANK SHOULD BE CLEANED INSIDE AND OUTSIDE AFTER THE ASSEMBLY
- * THE ARE WHERE THE TANK IS ASSEMBLIED MUST BE VENTILATED
- * DO NOT INTERFERENCE WITH THE TANK WITH CUTTING AND DRILLING TOOLS
- * DO NOT STEP ON THE TOP OF THE TANK AND NEVER LEAVE ANY MATERIAL THAT CAN CAUSE PRESS OR WEIGHT
- * DO NOT SCREW OR WELD THE WATER TANK AFTERWARDS
- * CLEANING AND MAINTENANCE OF THE WATER TANK MUST BE DONE AT LEAST ONCE A YEAR
- * THE MATERIALS OF THE TANKS, AS BOLTS, LADDERS, MANHOLE AND ETC. SHOULD'NT BE INTERFERENCED AFTERWARDS
- * DO NOT USE ANY CHEMICALS RECOMMENDED BY THE MANUFACTURER FOR CLEANING THE WATER TANK.
- * DO NOT INTERVENT TO WATERTANK EXCEPT AUTHORIZED SERVICE



THE NEWEST SYSTEM IN MODULAR WATER TANKS

THE NEWEST TECHNOLOGY GUARANTEED BY BERRAK MECHANIC

GRP(COMPOSITE) WATER TANKS



WHAT IS GRP AND HOW IT IS PRODUCED ?

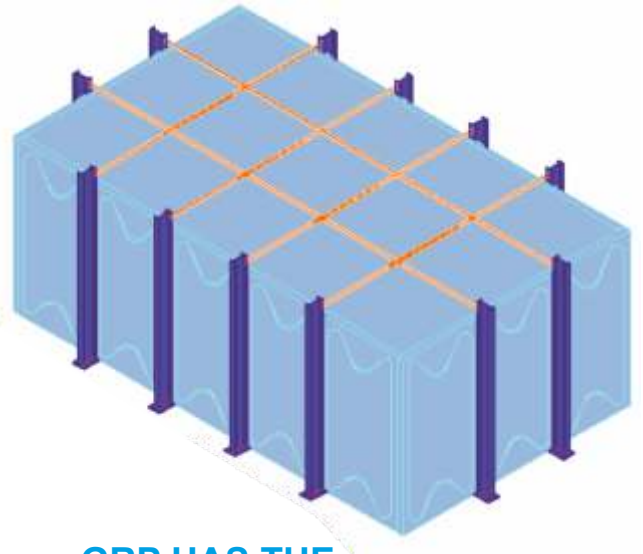
GRP WATER TANK is a special composite material produced by subjecting it to certain processes at very high pressures, together with the filling materials of special thermoset resin and thermo polyester glass fibers.

It is **STABLE, ROBUST, LONG-LIFE, LIGHTWEIGHT** and **IRREPLACEABLE HYGIENIC MATERIAL** due to the manufacturing methods and the additives used.



EXTERNAL TENTER SYSTEM

- *THERE ARE NO METAL PARTS INSIDE THE WATER TANK TO AFFECT ITS STRENGTH. FOR THIS REASON, ANY CORROSION OR SIMILAR PROBLEMS WILL NOT CREATE, AND WITH THE RELIEVE OF THESE PROBLEMS, THE POSSIBILITY OF EXPLOSION OR DAMAGE TO THE WATER TANK WILL BE COMPLETELY AVOIDED.
- *BECAUSE THESE BARS ARE FASTEN UP TO THE FLOOR, THERE WILL NOT BE A PROBLEM OF THE WATER TANK TO ROLL OR MOVE IN ANY SHAKE OR VIBRATION
- * EXTERNAL TENTER SYSTEMS CREATE MORE RESISTANT THAN INTERNAL TENTER SYSTEMS
- * EXTERNAL TENTER SYSTEMS CAUSE CLEANER WATER QUALITY SINCE ITS TAKES PART OUT-SIDE OF THE WATER TANK.



**GRP HAS THE
BEST DURABILITY,
HYGIENE,
STRENGTH**

**FROM NOW ON YOUR
WATER TANKS ARE CLEAN,
TOUGHEN AND ECONOMIC,
LIGHT AND AESTHETIC,
ALSO MORE DURABLE**

USAGE AREAS OF GRP MODULAR WATER TANKS

SINCE GRP WATER TANKS ARE CLEAN AND MORE DURABLE (CORROSION RESISTANT) THEY HAVE MANY AREAS OF USAGE

- POTABLE WATER STORAGE
- RAIN WATER STORAGE, WELL WATER STORAGE
- SEA WATER STORAGE
- RESERVE-OSMOSIS WATERS STORAGE (WATERS WITH VERY LOW AND HIGH CONDUCTIVITY)
- CAN BE USED AS DISTILLATION AND PROCESS TANKS
- CAN BE USED AS SEPTIC WATER TANK OR WASTE WATER TANK
- HOT WATER STORAGE AND CHEMICAL MATTERS STORAGE TANK





NOVA QUALITY CERTIFICATION



CERTIFICATE

BERRAK MEKANİK SİSTEMLER İMALAT VE MÜHENDİSLİK
SAN.VE TİCARET LİMİTED ŞİRKETİ

Akşemseddin Mah.206.Sok. No:23 Esenyurt/ İstanbul-TÜRKİYE

*Has been assessed and found to Comply with the Requirements of:
Denetlenmiş ve aşağıdaki standartın gerekliliklerine uygunluğu görülmüştür.*

ISO 9001:2015

Quality Management System /Kalite Yönetim Sistemi

Paslanmaz Ve Galvaniz Modüler Su Deposu Sistemleri İmalatve Satışı EA 17
Stainless Steel and Galvanized Modular Water Tank Systems Manufacturing
and Sales EA 17

Sertifika Numarası/Certificate Number : NCK-2020/00088
Sertifika Kodu/Certificate Code : Berrak -088
İlk Belgelendirme Tarihi / Initial Certification Date:15.01.2019
Belge Geçerlilik Tarihi / Certificate Expiry Date : 15.01.2021
Belgelendirme Periyodu Certification Period : 3 Yıl



NOVA Certification Approval
Belgelendirme Müdürü

İş BU sertifika Nova Cert Uluslararası Belgelendirme prosedürü ve talimatlarına ,yukarıdaki sistemin standartları na uyulduğu sürece ,yukarıdaki adres ve kapsam dahilinde 3 yıl geçerlidir. Denetimin yürütülmesinde gerekli etkinlik göstermesine rağmen her türlü ihmallerde sorumluluk kabul etmeyecektir. Bu belgenin mülkiyet hakkı Nova Cert Uluslararası Belgelendirme Gözetim,Denetim,Eğitim ve Laboratuvar Hizmetleri Danışmanlık A.Ş. ye aittir ve başka amaçla kullanılmamalıdır.

Nova Cert Uluslararası Belgelendirme
Gözetim, Denetim, Eğitim ve Laboratuvar Hizmetleri Danışmanlık A.Ş.
Rami Kışla Caddesi Turkuaz Atlas İş Merkezi No: 51/8 Topçular - Eyüp / İSTANBUL
Tel: 0212 576 07 00 • Fax: 0212 576 07 00 • Gsm: 554 348 00 11
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ÖRNEKTİR







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PRISMATIC MODULAR WATER TANKS

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