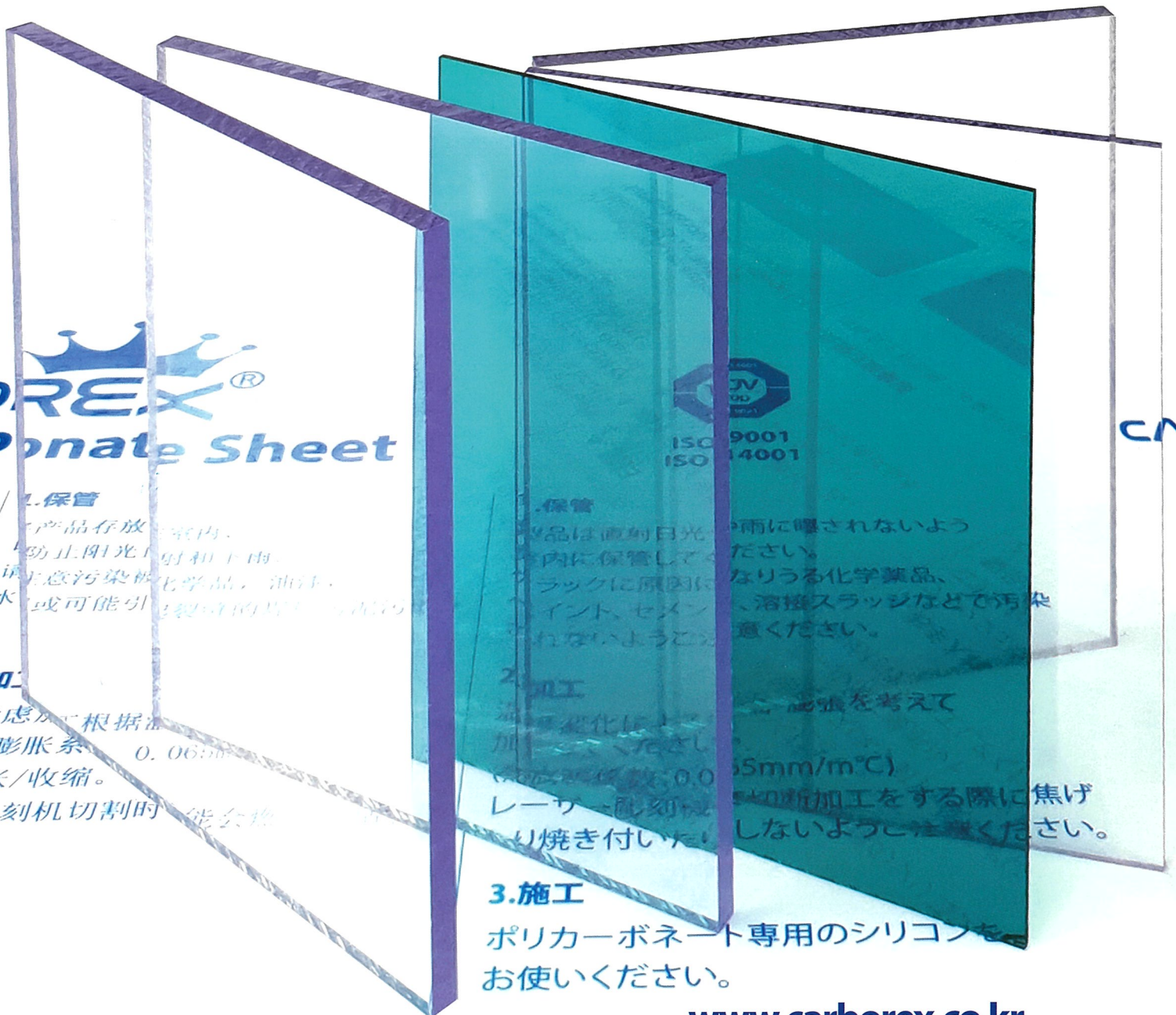




CARBOREX®

Polycarbonate

Solid Sheet



REX®
bonate Sheet

ISO 9001
ISO 14001

1.保管
本产品在室内。
防止阳光直射和下雨。
请注意污染性化学药品、油污、
水或可能引起裂变的物质与配

保管
本品は直射日光や雨に曝されないよう
内に保管してください。
ラックに原因はなりうる化学薬品、
イント、セメント、溶接スラッジなどで汚染
れないようにご注意ください。

加工
考虑が根据
膨胀系数 0.063
胀/收缩。
雕刻机切割时

2.加工
温度変化による
加工してください。
（膨張係数 0.063mm/m°C）
レーザー彫刻機
り焼き付いた
ししないようご注意ください。

3.施工
ポリカーボネート専用のシリコンを
お使いください。



ISO 9001
ISO 14001

What is CARBOREX?

CARBOREX is a brand name of Optical quality Polycarbonate (PC) solid sheet produced by Plastech. CARBOREX has a trade-mark of Crown symbolizing everlasting Trust in Quality, Price and Delivery which are our missions for our particular customers all over the world.

CARBOREX solid sheet is TRUST IN QUALITY.

Who are Plastech?

Plastech has been extruding various plastic sheet from PVC, ABS and PETG to Polycarbonate solid sheet for over 40 years and supplying quality sheet to diversified market sectors in overseas such as USA, JAPAN, EU etc as well as local. Our experienced know-hows on 0.15mm(.006") thin and 15mm(.20") heavy gauge sheet extrusion of various kinds of sheet enable us to extrude optical quality and functional Polycarbonate sheet for specified market needs.

Why CARBOREX?

We know well what kinds of quality requirements polycarbonate sheet should satisfy for longer durability. According to market trends, more highly functional qualities are required. Not only UV protection but Heat-absorption function could be required to design innovative architecture with Polycarbonate roofs and walls as long as possible. How about Hard surface with Polycarbonate sheet? CARBOREX offers solutions to such market requirements by taking advantage of extensive extrusion know-hows on Material, Machine, Extrusion soft as well as continuous tests with pilot extruders at Lab.

CARBOREX is not just a brand of Polycarbonate sheet.

CARBOREX means SOLUTIONS for your customers to satisfy market needs.

카보렉스®

폴리카보네이트 시트
주식회사 프라스테크

CARBOREX®

Polycarbonate Sheet
PLASTECH Co., Ltd

カーボレックス®

ポリカーボネートシート

卡邦雷克斯®

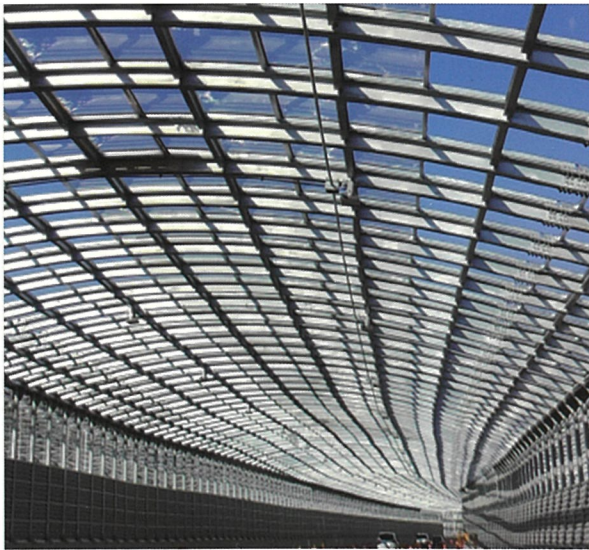
聚碳酸酯板

APPLICATIONS

FEEL MAXIMIZED COMFORT WITH CARBOREX 10 YEARS UV PROTECTION FOR YOUR DESIGN

CARBOREX enables your customers to realize their architectural ideas of replacing heavy and dangerous glasses without anxiety of damage and short durability by UV rays. How can you design your projects with Polycarbonate sheet without trust in UV protection against the sun considering replacement of such cloudy and discolored Polycarbonate sheet panels on the roof and wall?

CHALLENGE WITH CARBOREX. ENJOY CONFORT and SAVE MONEY.



APPLICATIONS

DON'T BE NERVOUS ABOUT SHEET QUALITY BEFORE TOOLING AND COATING, PRINTING and so on

CNC works and toolings require high quality and functional Polycarbonate sheet with High impact strength, perfect flatness as well as surface cleanness to perform complicated drilling and routing. Hard coating also requires Optical surface quality without Gels, Pin Holes etc to minimize Defective rate.

How about for Printing and Forming?

What about for Lighting and Signage?

**TRY CARBOREX.
ENJOY RELAX and SAVE MONEY.**



CARBOREX POLYCARBONATE SHEET specification

- **THICKNESS range**

0.8mm (.031 in) to 1.7mm (.062 in)

2mm to 7mm (.080, 3/32, 1/8, 3/16, 1/4 in)

8mm **to 15mm (3/8 to 1/2 in)**

- **WIDTH X LENGTH standard**

1M x 2M, 4' x 8' (1220mm x 2440mm)

5' x 8' (1520mm x 2440mm), 5' x 10' (1520mm x 3040mm)

3' x 6' (916mm x 1820mm)

Other customized sizes available according to quantity

- **PE Protection film**

CLEAR and CLEAR COLOR (Green, Blue) w/o printing (for coating, printing)

Opaque White with printing ONE side (for construction and architecture)

- **COLORS**

Clear Colors:

JADE GREEN (light, dark), BLUEBERRY GREY(light, dark), YELLOW, BROWN

- **EMBOSSSED PATTERNS**

MATT (fine, rough), LEATHER, WATER DROPLETS, LENTICULARS etc

CARBOREX SHEET TECHNICAL DATA SHEET

Properties	Test Method	Unit	Typical Value
Physical			
Specific Gravity	ASTM D792	-	1.2
Water Absorption, 72 °F, 24hrs	ASTM D570	%	0.15
Rockwell Hardness	ASTM D785	-	M75
Mechanical			
Tensile Strength, Yield	ASTM D638	psi	9,500
Flexural Modulus	ASTM D790	psi	360,000
Elongation	ASTM D638	%	110
Izod Impact Strength, Notched	ASTM D256	ft-lbs/in	16
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/ °F	3.75×10^{-5}
Heat Deflection Temperature,@ 264psi	ASTM D648	°F	270
Optical			
Light Transmission, Clear	ASTM D1003	%	89
Refractive Index @ 72 °F	ASTM D542	-	1.59
Flammability			
Ignition TemperatureA	ASTM D1929	°F	1,076

How CARBOREX Polycarbonate sheet guarantees Highest Optical Quality, Excellent UV Protection, Superior Impact Strength and Dimensional stability Consistently and Surely?

Extensive Know-Hows on plastic sheet extrusion over 40 years enable us to figure out what we should focus on accurately and immediately to solve customers' quality requirements to catch up with fast-changing market needs.

40년 이상의, 오랜 시트 압출경험에 따라 축적된 품질 노하우로 고객의 불만을 신속히 분석하고 개선해서 항상 완벽한 품질을 추구합니다.

40年以上の幅広い押し出し経験によって、お客様の様々な不満を正確に分析していつも完璧な品質を追い求めます。



World Best German BREYER polycarbonate extrusion machines with auto-programmed quality control system and our skilled operators guarantee promised sheet quality and long durability without fail.

세계 최고의 PC 시트 압출기 메이커인 독일 BREYER사의 최신 설비로 생산되는 카보렉스 PC 시트는 프로그램화된 BREYER사의 품질컨트롤 시스템에 의해 오차없이 생산됩니다.

ワールドベストのドイツBREYER社の押出機のプログラムされた自動品質コントロールシステムで誤差のない生産ができます。



CARBOREX Polycarbonate sheet can be delivered to customers only after it is monitored in-line and inspected again at our lab by skilled inspectors to guarantee our valuable customers world top quality and long-term satisfaction based on strict ISO 9001 and 14001.

카보렉스 PC시트는 숙련된 관리자들이 ISO9001/14001 규정에 준해서 엄격하게 검사를 거쳐서 출하됩니다.

カボレクス PCシートは生産時のISO9001や14001ベースの厳しい品質管理に加えて、ラボでいろんな物性の分析の上でシートを出荷します。





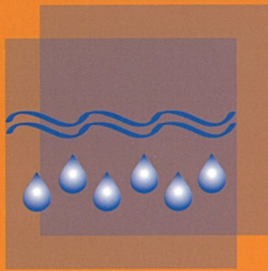
**UV RADIATION
10 YEARS**

CARBOREX UV

10 YEARS UV PROTECTION and LONG DURABILITY
To maintain innovative architecture's fresh image
for many years without Replacing Hazy, Discolored
sheet

카보렉스 PC시트는 UV자외선 차단효과에 따른
사용내구성이 10년간 유지됩니다.

カボレクスPCシートはUV紫外線の遮断効果によって、
使用耐久性が10年間保たれます。



COATING

CARBOREX CT

OPTICAL HIGHEST QUALITY and FLAWLESS GLAZING
SURFACE to support perfect HARD, ESD and other
coating processes to zero defect target

결점없는 광학용 PC시트에 준하는 최상의 품질로
각종 코팅공정에서 불량률 제로를 목표로 합니다.

欠点がない光学用PCシートに準ずる最上級品質で
様々なコーティングの不良率ゼロを目指します。



CNC

CARBOREX GP

PERFECT FLATNESS, DIMENSIONAL STABILITY, EXCELLENT
IMPACT STRENGTH, NO CRACKS IN PRECISION TOOLING
with CNC for higher quality finished products

카보렉스 PC시트는 완벽한 평활도, 치수안정성,
뛰어난 충격강도 등으로 CNC가공시에도 깨끗하고
높은 품질을 유지할 수 있습니다.

カボレクスPCシートの優れた平滑度、寸法安定性、
衝撃強度などで高品質のCNC加工ができます。



LIGHT DIFFUSION

CARBOREX DF

SUPERIOR BRIGHTNESS and PERFECTLY
UNFORMED LIGHT DIFFUSION EFFECTS and
EXCELLENT FORMABILITY and FLAME RETARDANCE

카보렉스 PC시트는 뛰어난 휘도, 균등한 광확산 성능,
우수한 성형성 및 방염효과를 자랑합니다.

カボレクスPCシートは優れた輝度、均等な光拡散
および優秀な成型性と難燃性を誇ります。

