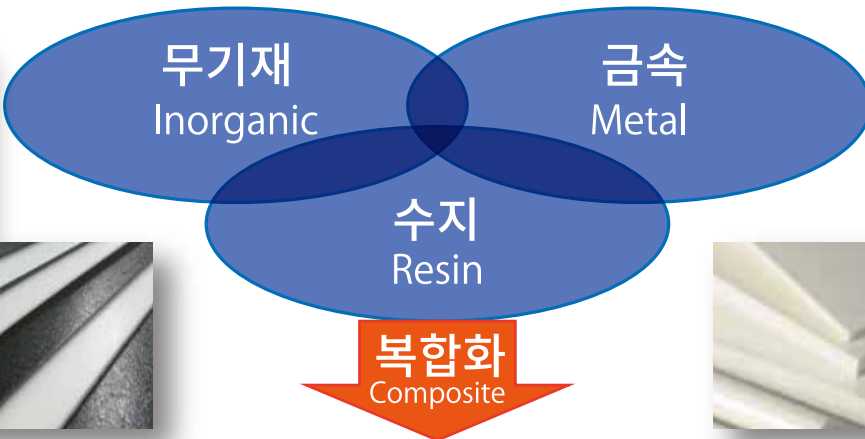
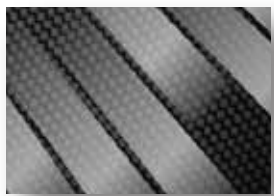


이종재료 접합

Bonding different materials

■ CFRP + PP 발포재 + CFRP ■ CFRP + 알루미늄 + PBT 수지

■ CFRP + PP foam material + CFRP ■ CFRP + Aluminum + PBT resin



기능·형상·성형성·임베디드
Function, shape, moldability, embedding property

접합복합재료 애디션 CFRP

이종재료 접합기술로 인한 '경량화, 가식화, 저비용화'

Bonded Composite Material Addition CFRP

"Light weight, decorative, and low cost" based on the technology of bonding different materials

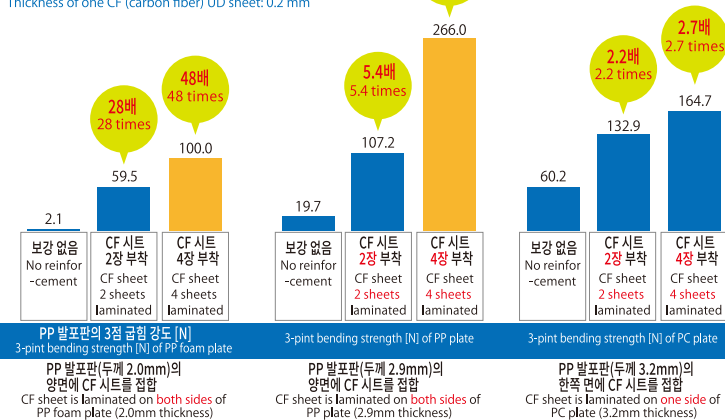
탄소섬유 UD 시트의 접합으로 인한 플라스틱 보강 효과

Reinforcement effect of plastic by laminating the carbon fiber UD sheet

시험 방법: JIS-K7074의 3점 굽힘 시험

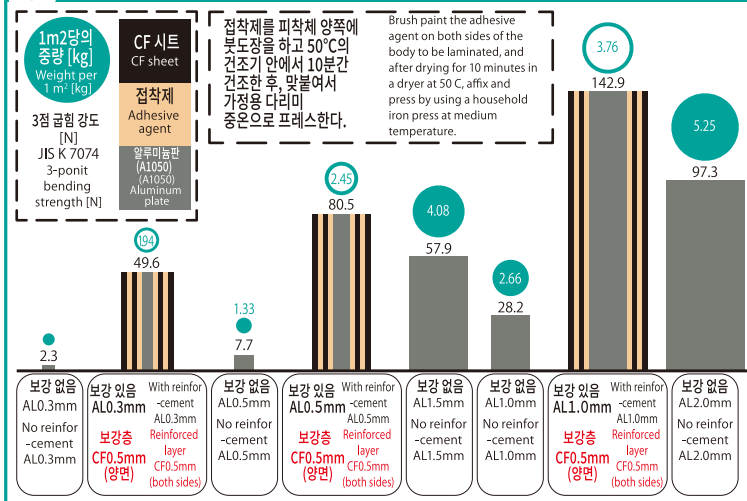
CF(탄소섬유) UD 시트 1장의 두께: 0.2mm

Test method: 3-point bending test of JIS-K7074
Thickness of one CF (carbon fiber) UD sheet: 0.2 mm



간단 접착 방법을 사용한 CF 시트 보강으로 인한 알루미늄판의 경량화

EASY! Making light weight aluminum plate through CF sheet reinforcement by using the adhesive method



- CFRP면에 도장 및 인쇄가 가능.
- 다른 부품과의 접착에 사용할 수 있는 실리콘 접착제(열선 팽창을 완화)도 준비 중.
- CF와 접합 가능하며 진동성의 내구성이 향상.
- CF면(앞뒤)의 절연성을 가능화.
- 가스차단성 접합제로 내구성 향상.
- Painting and printing possible on the CFRP surface.
- Silicone bonding agent (reduces thermal expansion) is also available for bonding with other components.
- Bonding with CF is possible, and vibration durability is also improved.
- Insulation of CF surface (front and back) is also possible.
- Durability is improved by gas barrier bonding agent.