

# Beater Sheet / Beater Paper — Size Chart / Common Sizes / Specifications

## 1) Asbestos Beater Sheet / Paper Common sizes & application scenarios

| Item                    | Typical stock / range  | Typical application scenarios   |
|-------------------------|--|---|
| Thickness (mm)          | 0.3, 0.5, 0.8, 1.0, 1.5, 2.0 (some up to 3 - 4 mm)   | 0.3 - 0.8 mm: thin instrumentation/cover gaskets; 0.8 - 1.5 mm: oil pans, valve covers; 1.5 - 3 mm: heavier gearbox/pump flanges. |
| Sheet formats (mm / in) | 500×500, 1000×1000, 1000×1500, 1524×1524 (60" ×60" ), cut-to-size                          | Used for die/CNC cutting of multiple gaskets from one sheet.  |
| Reinforced variants     | Composite with tinfoil / stainless steel backing or perforated metal for higher bolt loads | Used in engine composite gaskets and certain exhaust/gearbox applications.  |

## 2) Non-Asbestos / Aramid-Cellulose Beater Paper (most common modern replacement)

### Common sizes & application scenarios

| Item              | Typical stock / range  | Typical application scenarios  |
|-------------------|--|--|
| Thickness (mm)    | 0.3, 0.5, 0.8, 1.0, 1.2, 1.5, 2.0 (0.5 - 2.0 mm most common)   | 0.3 - 0.8 mm: thin covers & instrument flanges; 0.8 - 1.2 mm: oil pans, small pump covers; 1.5 - 2.0 mm: gearbox covers, larger pump housings. |
| Sheet formats     | 500×500 mm, 1000×1000 mm, 1000×1500 mm, 1524×1524 mm (60×60"); rolls and cut-to-size                   | Typical sheet sizes for die/CNC cutting; rolls used for continuous cutting.  |
| Reinforced sheets | Metal-composite (tinfoil / stainless foil) laminated on one or both faces; perforated metal composites | Used where metal backing or higher mechanical stiffness is needed (engine head / cylinder interface in some composite gaskets).                |

### 3) Vulcanized Beater Paper Common sizes & application scenarios

| Item           | Typical stock / range                             | Typical application scenarios  |
|----------------|---|--|
| Thickness (mm) | 0.5, 0.8, 1.0, 1.5, 2.0                           | 0.5 - 1.0 mm for thin covers; 1.5 - 2.0 mm for gearbox and higher-seal applications. |
| Sheet sizes    | 500×500, 1000×1000, 1000×1500 mm; rolls available | Used for direct die cut gaskets for automotive and light industrial service.         |

### 4) Soft Paper Beater Gasket Sheet (cellulose-rich, low-cost soft gasket)

#### Common sizes & application scenarios

| Item           | Typical stock / range   | Typical application scenarios  |
|----------------|---|--|
| Thickness (mm) | 0.2, 0.3, 0.5, 0.8, 1.0   | Thin gasketing for low pressure: 0.2 - 0.5 mm for instruments & covers; 0.8 - 1.0 mm for low-pressure HVAC or filter housings. |
| Sheet formats  | Smaller sheets (500×500) and cut parts; some suppliers offer 1000×1000 mm | Used where many small gaskets are cut from sheet for light duty sealing.   |

## 5) Metal-backed / Composite Beater Sheets – Common sizes & application scenarios

| Item                   | Typical stock / range  | Typical application scenarios                                      |
|------------------------|--|--|
| Overall thickness (mm) | 0.5 - 3.0 mm (paper + metal foil)  | Typical for sump / gearbox / cylinder head composite construction. |
| Panel sizes            | Custom laminated panels sized to customer die; typical base panel sizes 500×500 / 1000×1000 mm | Sheet panels are die-cut to form composite gasket assemblies.      |