



Expol-X Technical Data Sheet

1. Dimension standards(Unit:mm)

| Length | Width | Thickness |
|---------------------|--------------|-----------------------|
| 1200,1250,2450,2500 | 600,900,1200 | 20,25,30,40,50,75,100 |

2. Dimension Tolerance(Unit:mm)

| Length and Width | | Thickness | | Diagonal Tolerance | |
|------------------|-----------|-------------|-----------|--------------------|-----------|
| Dimension L | Tolerance | Dimension h | Tolerance | Dimension T | Tolerance |
| L<1000 | ±5 | h<50 | ±2 | T<1000 | 5 |
| 1000≤L<2000 | ±7.5 | h≥50 | ±3 | 1000≤T<2000 | 7 |
| L≥2000 | ±10 | | | T≥2000 | 13 |

3. Technical data

| Item | Unit | Technical Data | | | | | | | | | |
|--|-----------|----------------|------|------|------|--------|------|--------|--------|--------------|------|
| | | Withskin | | | | | | | | Without Skin | |
| | | X150 | X200 | X250 | X300 | X350 | X400 | X450 | X500 | W200 | W300 |
| compressive strength | kpa | ≥150 | ≥200 | ≥250 | ≥300 | ≥350 | ≥400 | ≥450 | ≥500 | ≥200 | ≥300 |
| water absorption 96hr | % | ≤1.5 | | ≤1.0 | | | | | | ≤2.0 | ≤1.5 |
| moisture permeability 23°C±1°C RH50%±5% | ng/m.s.pa | ≤3.5 | | ≤3.0 | | | ≤2.0 | | ≤3.5 | ≤3.0 | |
| Thermal Conductivity 10°C | w/(m.k) | ≤0.028 | | | | ≤0.027 | | ≤0.033 | ≤0.030 | | |
| Thermal Conductivity 25°C | w/(m.k) | ≤0.030 | | | | ≤0.029 | | ≤0.035 | ≤0.032 | | |
| Dimension Stability 70°C±2°C,48hr | % | ≤2.0 | | ≤1.5 | | | ≤1.0 | | ≤2.0 | ≤1.5 | |

Expol only stock:

- 2500 x 600 x 30mm - 250 kPa
- 2500 x 600 x 40mm - 250 kPa
- 2500 x 600 x 50mm - 250 kPa