





## TECHNICAL DATA SHEET

### Category : Acoustic Walls

### Product 8 : Plush

#### Composition:

- Base : Plywood
- Core : Acoustic Foam (Polyurethane)
- Finish : Fabrics & felt
- Back Finish : Black Textile
- Application : Wall & Ceilings
- Installation :
  - Walls : Interlock Buttons or Adhesive
  - Ceilings : Clip-on or Clutch Wire System

#### Patterns & Dimensions:

- Thickness: 35 mm (Can be customized on request)
1. Circle
    - Pattern : Plain, Beveled, Fluted, Ribbed, Diamond
    - Dimension : Ø600 mm (S), Ø900 mm (M), Ø1200 mm (L)
  2. Square
    - Pattern : Plain, Beveled, Fluted, Ribbed, diamond, scribed
    - Dimension : 600 mm (S), 900 mm (M), 1200 mm (L)
  3. Semi-circle
    - Pattern : Plain, Beveled
    - Dimension : 600 x 300 mm (S), 900 x 450 mm (M), 1200 x 600 mm (L)
  4. Rectangle
    - Pattern : Plain, Fluted
    - Dimension : 1100 mm (H) x 600 mm (W)
  5. Hexagon
    - Pattern : Plain, Beveled
    - Dimension : Ø600 mm (S), Ø900 mm (M), Ø1200 mm (L)
  6. Arcstick
    - Pattern : Straight or Round
    - Dimension : H: 2700 mm, W: 75 To1400 mm

#### Performance:

##### Acoustic Properties:

- **ASTM C-423** | NRC: **0.85** (for 35 mm thickness) | Sound Absorption Class C

##### 2. Fire Resistance:

###### 1. Plywood

- **IS 5509:2000 (with Amendments)** | Time for second ignition: >30 minutes | Conforms to Indian fire-resistance standards for interior plywood



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### 2. Acoustic Foam (polyurethane)

- **CA TB 117-2013 section III** | Flammability of resilient fire materials - Pass | Flame retardant in upholstered Furniture – Pass
- **BS 5852: Part 2. 1982** | Flammability Test: Pass

### 3. Fabrics

– Category A+

- **BS 5852 Part 1: 1979 Ignition Source 0 & 1** | Details: Cigarette Test & Match Test | Result: PASS on both tests | Test Number: 423681

– Category A

- **BS 5852 Part 1: 1979 Ignition Source 0 & 1** | Details: Cigarette Test & Match Test | Result: PASS on both tests | Test Number: 187662

– Category B

- **AS/NZS 1530.3:1999** | Details: Simultaneous test for Ignitability, Flame Propagation, Heat Release & Smoke Release | Result: Passed | Test Number: 19-001329

– Category C

- **ASTM E84** | Details: Surface Burning Characteristics of Building Materials | Results: PASS / Class 1 / A

### 4. Felt

- **ASTM E84- 2021** | Flame Spread Index: Class 1 or A | Smoke Developed Index: Class 1 or A
- **BS/EN 13501-1:2018** | Classification: B-s1, d0
- **AS/NZS 1530.3:1999** | Flame Spread Index: 0 | Smoke Index: 2

### **Sustainability:**

- **Certifications & Compliance:**
  - LEED v4: Supports EQ Credit (Low-Emitting Materials)
  - Certified Low VOC materials
  - EPD & HPD certified
  - Declare Label compliant
  - USGBC LEED compliant