



FELTWORKS™  
ACOUSTICAL  
PANELS



# FELTWORKS™ Acoustical Panels

**Reduce noise while  
adding warmth to spaces  
with new layout designs**

FELTWORKS™ Acoustical Panels allow for a unique look for any space, with a soft visual texture that quietens down interiors.

Reduce noise and define spaces. FELTWORKS Acoustical Panels absorb up to 80% of the sound that strikes them.

Easy installation with bevel edge or square edge.

Homogeneous structure – color throughout panels. Eco-Preferable product which meets the most stringent industry sustainability standards today.

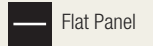
## **APPLICATION CONSIDERATION**

1. FELTWORKS acoustical panels offer endless design flexibility with standard and made-to-order sizes in different geometric patterns.
2. Various installation option available for application as wall and ceiling covering.
3. There is a natural fiber direction in the FELTWORKS Acoustical Panels due to fibre blending process. It is recommended to install the panels in the same fiber direction
4. Panel color and texture may vary from order to order; adequate attic stock should be ordered.
5. Panels should not be installed near sources of heat greater than 60 degree celsius.
6. For interior application only




# FELTWORKS™ Acoustical Panels

## STANDARD



### MODULES

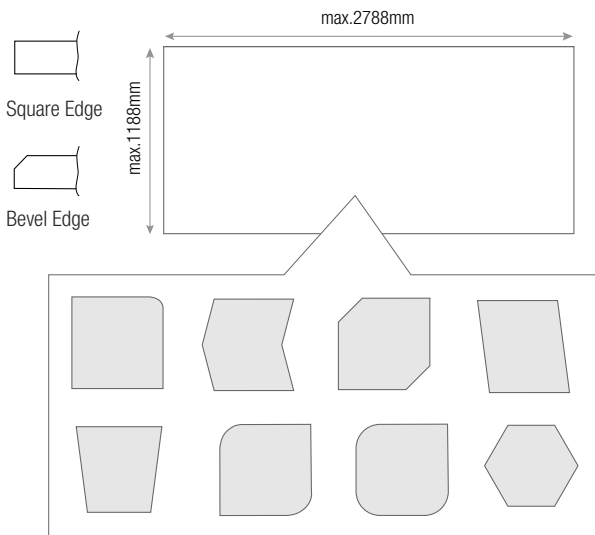

**Standard Panel** **FWP12\_ \_ \_**  
 1200 x 2800 x 12mm  
 Square Edge Per panel is designed to cover up to 3.36 m<sup>2</sup>

### MATERIAL TECHNICAL DATA

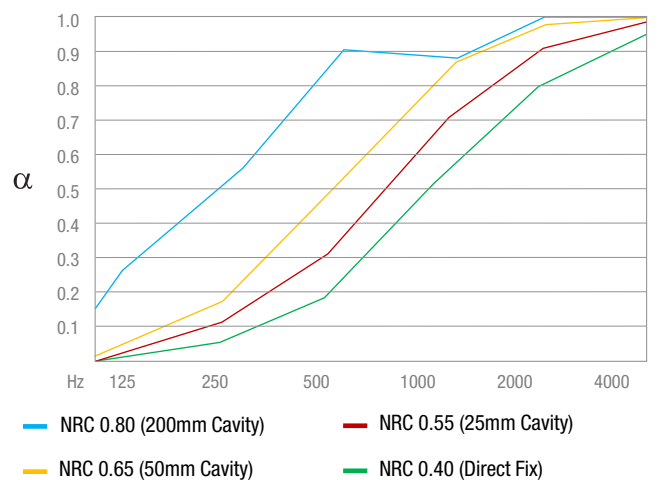
Color Fastness	EN ISO 105 B02 method 3	Grade 6-7
Water Vapor Absorption	ASTM C1104/C1104M	<0.4%
Impact resistance	ISO 7892	Passed
Mold & Mildew Resistance	ASTM G21	Rating '0'
No Toxicity	BS EN 45545-2	Passed
Fire Reaction	EN13501-1	Bs2-d0
Dimension Tolerance	Standard Panel	(+/- 5mm)

### CUSTOM GEOMETRIC OPTIONS AVAILABLE

Simply carve your creation out of the allowable custom panel area (interior edge to perimeter edge) as instructed below and select the preferred edging finishing.



### ACOUSTICAL PERFORMANCE



Feltworks acoustical panels provides a wide range of sound absorption up to NRC 0.80. tested per ASTM C423. Third party test data available for various mounting methods. Consult your Armstrong representative for more information.

REMARK: Contact your Armstrong representative or [asia.support@knaufarmstrong.com](mailto:asia.support@knaufarmstrong.com) for more customization options. Bevel edge option available.

### DESIGN – FOCUS SERIES



- PLEASE NOTE:**
- When specifying or ordering, add 3-letter color suffix to item number.
  - Accessories for installation shall be ordered separately to suit either direct or suspended installation.
  - For direct applied installation, please also consult local adhesive provider for manufacturer's instructions.
  - Variations may occur between photographic images, samples and batches in terms of color, shade and pattern. Adequate attic stock should be ordered to avoid variation between different production run.

## SHORT SPECIFICATION

To supply homogeneous acoustical wall panel system made from non-woven layered and formed polyester felt fiber panel with minimum 50% recycled content.

The system shall be FELTWORKS Acoustical panel at 2800 mm x 1200 mm x 12 mm thickness, color (L), manufactured by Armstrong Ceiling Solutions with ten (10) years limited warranty. Panel shall be scratch resistant, impact resistant per ISO 7892, unaffected by moisture (ASTM C1104, <0.4%), mold and mildew (ASTM G21, Rating '0') and remain dimensionally stable up to relative humidity 99% at 49°C with an allowable dimension tolerance of (+/-) 5mm. Panel shall be installed per (L) method.

Sound absorption: Up to 0.80 per ASTM C423, Fire Classification: B - s2, d0 per EN13501-1, For interior application only.

For decorative wall application: Installation shall be done on a flat and dust-free wall surface. If required, a suitable sealer/primer must be first applied and allowed to dry. All dust must be removed by wiping down with a damp cloth. Allow the surface to dry completely before proceeding. All panels must be laid with the same direction for uniformity and installed as per manufacturer instructions.

### INSTALLATION DETAIL



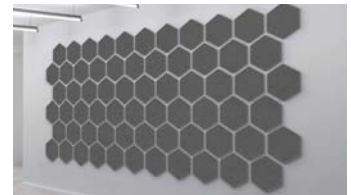
Camo Application (CA)  
Direct Screw to Furring Channel or  
Drywall Grid (Visible screws)



Floating Application (FA)  
Vertical application.  
Customizable geometry by request

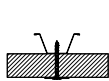


Full Wall Application (FWA)  
Direct Applied

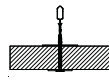


Shapes Application (SA)  
Direct Applied

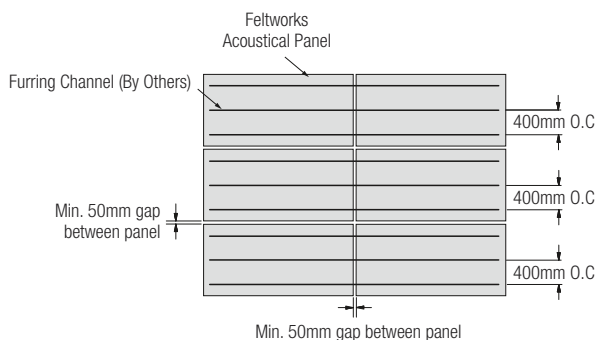
### CEILING INSTALLATION PROFILE



Screw & Washer Attachment  
to Furring Channel



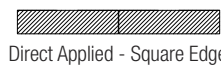
Screw & Washer Attachment  
to Drywall Grid System



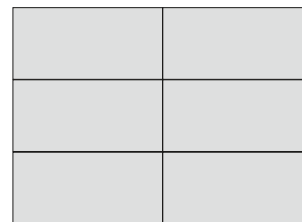
### WALL INSTALLATION PROFILE



Direct Applied - Bevel Edge\*\*



Direct Applied - Square Edge\*



- Panel shall be installed in a directional manner due to inherent directional grain feature.
- \* Adjoining panel installations are not recommended with critical lighting conditions.
- \*\* Factory and field edging option available

#### Precaution for Direct-Applied Installation:

Surfaces must be dry and free of dust, grease, oil, dirt, or any other material that may deter adhesion when using the Direct-Applied installation method with adhesive. Existing finish paint must be well-bonded and not flaking or peeling; otherwise it must be removed. Avoid applying to a newly painted ceiling/deck. Glossy painted surfaces must be abraded. For painted or sealed surfaces, install a small test area and observe after 12 hours. Please also consult adhesive for manufacturer's instructions.

[www.knaufarmstrong.com](http://www.knaufarmstrong.com)  
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