



# F&WS Ltd

## Floor & Wall Solutions

### Aluminium Nosing and PVC Inserts Data Sheet

#### 1. Company Details

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#### 2. Product Composition

Carrier: Aluminium alloy  
Infill: Polyvinylchloride (PVC)  
Plasticisers  
Inert fillers  
Flame retardants

#### Aluminium AA 6063 T6 / UNS A96063 anodised to DIN 17611

Si%	Fe%	Cu%	Mn%	Mg%	Zn%	Ti%	Cr%	Al
0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1	Balance

#### PVC Insert

A filled flexible PVC extrusion grade specifically designed for non-scurr stair nosing applications with good anti-slip properties; to our knowledge our inserts achieve the best slip resistance results in the market.

#### Physical Properties:

Mechanical performance in accordance with BS2782: Method 320A

Softness, cold flex & cold bend: In accordance with BS2782

Physical Properties: Water Absorption: In accordance with BS2782: Method 430A

#### Slip Resistance Properties:

In accordance with BD6677:Part1: 1986 and in accordance with "The measurement of floor slip resistance: Guidelines recommended by the UK Slip Resistance Group: Issue 2 June 2000"

#### Wear Resistance:

Abrasion resistance: In accordance with BS en 660-2:1999

#### Physical Form / Colour

Compound provided in pellets and processed in to final product form. Pellets can be coloured to suit.

#### Physical Properties

Test	Units	Test Method	Typical Result
Tensile Strength @ Break	MPa	BS 2782 Method 320C	18
Elongation @ Break	%	BS 2782 Method 320C	240
Relative Density @ 23 °C	-	BS 2782	1.325
Water Absorption	%(m/m)	BS 2782 Method 430A	0.10
Shore 'A' Hardness	Shore 'A'	15 secs @ 23°C	90
Cold Flex Temperature	°C	BS 2782	-17.5
Cold Bend Temperature	°C	BS 2782	-30 min
BS Softness	BSS°	BS 2782	20

### 3. Hazards Identification

No known hazards when used for the purpose intended and installed in line with manufacturers recommendations.

The use of Personal Protection Equipment (PPE) is recommended when working with this product.

This product should not be disposed of by burning.

### 4. First Aid Measures

No special First Aid measures are required when using this product as recommended by the manufacturer.

### 5. Fire Fighting

Normal fire fighting procedures should be followed.

Use breathing apparatus and in the case of a major fire wear acid resistant clothing.

### 6. Accidental Release Measures

Not applicable

### 7. Handling and Storage

Store in dry conditions away from sources of heat.

The use of gloves is recommended when handling boxes and product.

### 8. Exposure Controls/Personal Protective Equipment

Whilst there are no Exposure limits associated with this product the use of PPE is recommended when cutting and securing the product.

### 9. Physical and Chemical Properties

Form: rigid

Colour: various

Odour: slight odour

Solubility: insoluble in water

Decomposition: will decompose at temperatures above 150°C

### 10. Stability and Reactivity

Stable in normal use.

Avoid contact with acids and oxidising agents at temperatures above 60°C

Avoid contact with Acetal Resin

If thermal decomposition of infill occurs hydrogen chloride gas will be released.

### 11. Toxicology

No known toxic effects.

### 12. Ecological Information

Aluminium and PVC are considered to be ecologically benign.

Aluminium and PVC do not readily decompose when weathered or exposed to micro-organisms.

### 13. Disposal Considerations

If possible recycle, otherwise disposal should be in accordance with local, state, or national legislation.

Bury in an authorised landfill site or incinerate under approved controlled conditions.

Combustion will release Hydrogen Chloride.

### 14. Transport Information

Not classified as hazardous for transport.

### 15. Regulatory Information

This product does not normally present a danger to human health by inhalation, ingestion or contact with the skin in the form in which it is supplied and is used as recommended by the manufacturer.

## 16. Other Information

This safety Data Sheet has been prepared by F&WS Limited on the basis of its best knowledge and on information available to date. It does not constitute a specification.

F&WS Limited gives no guarantee and disclaims responsibility for individual items being incomplete or incorrect. Furthermore, F&WS Limited gives no guarantee that all possible security measures are contained herein, nor gives any guarantee that additional security measures may not be required under particular or exceptional circumstances.

It is the responsibility of the user to observe national or local safety regulations, in no case can F&WS Ltd accept any responsibility for a failure to observe such regulations.

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