

## Technical Data Sheet

### Hook & Loop

#### Product Description

Coats Connect FAH1101/ FAL1101 is a standard hook and loop fastener with rubber based pressure sensitive adhesive.

#### Product Composition

	Hook	Loop
construction	woven with cold-cut sewing edges with release paper	woven with cold-cut sewing edges with release paper
composition	100% polyamide	100% polyamide
coating	polyurethane coating	polyurethane coating
adhesive	rubber based hot-melt pressure sensitive adhesive	rubber based hot-melt pressure sensitive adhesive
adhesive colour	amber	amber
dyestuffs	no harmful AZO dyestuffs	no harmful AZO dyestuffs

#### Technical Information

##### Standard Parameters

<b>standard width with sewing edges*</b>	mm	20	25	50
	inches	3/4"	1"	2"
<b>width tolerance</b>	mm	±1.0		±1.5
<b>shade range*</b>		black & white*		
<b>thickness after closing</b>	mm	4.4 (±0.5) including paper		
<b>average weight (hook+loop)</b>	g/m <sup>2</sup>	1840 (±10%) including paper		
*other widths and shades available upon request				

## Adhesive Characteristics

<b>adhesive properties</b>	-suitable for a broad range of industrial applications -high performance pressure sensitive adhesive -good holding strength -fair resistance to humidity (better in combination with polyester tape)
<b>resistance to temperature</b>	-5°C till 70°C
<b>application requirements</b>	-apply at room temperature 20°C (+/- 5°C) -press adhesive backed-tape and substrate firmly together -max. bonding after 24 hours -the adhesive is not intended for removal or reapplication
<b>surface requirements</b>	-the surface must be free of oil, grease, dust, humidity, loose particles, plasticisers or coating which is peeling off, etc. -the surface should not be too uneven, soft or unstable -the surface should allow a good bond with adhesive backing, e.g. most metals, wood, glass, ceramics, stone, paper, various hard plastics, etc.
<b>storage &amp; shelf life</b>	-store in a dry, dark, dust-free and well ventilated room at a constant temperature of 20°C (±5°C) -if stored correctly, about 18 months shelf life
<b>removing adhesive residuals</b>	with acetone, white spirit, mineral oil or paraffin wax (please assure that the substrate is compatible with the above-mentioned products)

## Colour Fastness

<b>ISO 105-B02</b>	light*	>5 on a scale of 8
<b>ISO 105-E01</b>	water & seawater**	4 on a scale of 5
<b>ISO 105-C10 C</b>	washing 60°C	4 on a scale of 5
<b>ISO 105-E04</b>	sweat (excl. navy)	4 on a scale of 5
<b>ISO 105-X12</b>	rubbing wet & dry	4 on a scale of 5
<b>ISO 105-X11</b>	ironing	4 on a scale of 5
<b>ISO 105-D01</b>	dry-cleaning	4 on a scale of 5
* ageing or U.V. influence should not result in yellowing of the tape (mainly in optical white)		
** neon, dark red & dark blue colours are excluded		

## Care Instructions



### Strength Parameters\*

	Test Method		Hook & Loop	
no. of cycles	EN 1414	after 1 opening & closing	after 1,000 openings & closings	after 10,000 openings & closings
peel strength	EN 12242 (N/cm width)	2.2 (2.0)	min. 1.8	min. 0.5
shear strength	EN 13780 (N/cm <sup>2</sup> )	12.0 (10.0)	min. 8.0	min. 4.0

### Strength Parameters\*

	Test Method	Hook	Loop
tensile strength	N/cm - lengthwise ISO 13934-1	384 (200)	301 (200)
stretch before breaking	%- lengthwise ISO 13934-1	40% (30%)	40% (30%)

avg. values (tested at 20°C & 65% humidity)  
\*individual test results can vary, min. values between brackets

### Durability

Test	Method	Openings & Closings	Hook & Loop
durability test	EN 1414	after 10,000 times	slight visual change

### Article Number / Make Up

Art. No.: FAH1101 – Hook - rolls of 25 m / various widths & shades available

Art. No.: FAL1101 – Loop - rolls of 25 m / various widths & shades available

### General Safety Information

Since conditions and applications vary considerably in the use of hook & loop, user should assure herself or himself by preliminarily testing that the hook & loop is suitable for the end use intended.

### Further Assistance

Please contact your local Coats representative for further assistance.