

Honeycomb wrap

EXPANDING DIE-CUT KRAFT · ROLL FORM · NO DISPENSER

CP-VF-HC24 600 mm × 75 m roll

PROJECT	CATALOG NO.	TYPE	DATE
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PRODUCT DESCRIPTION

A kraft web die-cut so that it opens into a three-dimensional honeycomb as it is drawn off the roll. Flat on the core it occupies almost nothing; expanded it is a sheet of interlocking cells that grips what it is wrapped round rather than sliding on it. It replaces bubble film on a like-for-like protection basis and needs no dispenser beyond a bar to hang the roll on.

The die cut

- Slits 18 mm long on a 15 mm row pitch, each row offset half a pitch against the one above it
- That offset is what makes a cell: pull along the web and every slit opens into a hexagon 15 mm across
- A 25 mm unslit selvage runs down each edge — it is what tracks on the bar and what stops a tear running the length of the roll
- Expansion is one-way. The fibre yields at the end of every slit as the sheet opens, and a yielded fibre does not close again

The roll

- 600 mm wide, 75 m long, on a 76 mm fibre core
- Roll weight 5.4 kg; one roll to a carton and no interleaving
- Hangs on a plain bar. There is no dispenser, no cutter and nothing to power
- The core is the same kraft as the web and leaves by the same route

Material

- 120 gsm kraft, die-cut and otherwise unconverted
- No coating, no laminate, no adhesive and no added colour
- Undyed throughout — the wrap is the colour the paper is
- Inherently anti-static; there is no additive doing that job

Expansion and cushioning

- Expansion ratio 1 : 3.2 by area — 45 m² on the core covers about 144 m² expanded
- Expanded thickness 14 mm, measured across a wrapped face under no load
- Cushion equivalence 5 mm bubble, on a like-for-like wrap count
- The cells interlock with each other, which is why a wrap holds without tape

Dispensing

- A bar through the core at bench height. Nothing else is required
- Draw with one hand and the sheet opens as it comes; it does not need working by hand afterwards
- Tear across against the selvage, or cut — the web parts cleanly either way
- A part roll goes back on the bar. There is no set-up to repeat

Printing

- Not printed. A die-cut web has no continuous surface to print on
- Identification is on the roll label and the carton, not on the wrap
- Where the pack has to carry a message, it carries it on the outer or on the tape
- Dyed stock is available at 50,000 m minimum and is a stock decision, not an artwork one

Tolerances

- Roll width ±3 mm; roll length ±2 %
- Basis weight ±5 gsm
- Expanded thickness ±2 mm — how hard the sheet is drawn changes it, and hands vary
- Core diameter ±1 mm

Applications

- Single items that need a layer round them rather than a cavity to sit in
- Anywhere bubble film is being used and the pack has to become one material
- Glassware, ceramics, bottles, framed goods and electronics in their own boxes
- Retail and subscription packs, where the wrap is part of what the customer opens



Three-quarter



Top · Expanded sheet

SPECIFY

The volume is bought at the bench. Every other cushioning material on the catalogue arrives at the size it works at, and is therefore stored, palletised and freighted at that size. This one arrives flat and becomes three times its own area in the second it is drawn off. Nothing about the wrap is remarkable once it is on the parcel; everything about it is remarkable before that.

BUBBLE REPLACEMENT

EXPANDS 3.2×

NO POWER NEEDED

INTERLOCKING CELLS

AT A GLANCE

Format	Die-cut kraft, roll
Roll	600 mm × 75 m
Core	76 mm
Expansion	1 : 3.2 by area
Expanded	14 mm thick
Dispenser	A bar, no power

See also. Every mark this family holds, what each one certifies and the recycled figure by weight are on the features and benefits sheet.

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BUILD THE CODE

SERIES	PRODUCT	STOCK	FINISH	PACK
CP-VF	HC24 Honeycomb wrap, 600 mm	K 120 gsm kraft	P Plain, undyed	1 One roll per carton
	CR18 Crinkle void fill	—	D Dyed stock, to order	6 Six rolls per pallet layer
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Example

CP-VF-HC24-K-P-1

Honeycomb wrap, six hundred millimetre web in 120 gsm kraft, plain undyed, supplied one roll to a carton.

- The number in the product code is the nominal web width in inches, which is how web goods have always been ordered. The governing figure is the metric one: HC24 is a 600 mm web, and 600 mm is what appears on every sheet in this pack.
- There is one width and one length. A narrower web is a slitting operation against the same die and is quoted under *Outside the standard web*, not as a code.
- D is a stock decision taken before the die, not a finish applied after it. It carries a minimum and a lead time; P carries neither.
- HC24 and CR18 share a series and nothing else. One wraps an item and one fills what is left round it, and no order should carry only one of them by accident.

SIZES, MINIMUM ORDER AND LISTINGS

CODE	ROLL SIZE	MINIMUM · LEAD	LISTINGS
CP-VF-HC24	600 mm × 75 m roll	6 rolls · 4 days	  

Minimum order and lead time are held against the code in the catalogue record and are shown in the table above. Lead time runs from order receipt. Dyed stock adds three weeks and does not change the die, the web or anything else on this sheet.

ACCESSORIES, ORDERING

CODE	ITEM	MINIMUM	LEAD
CP-CTN-RSC1	Shipping carton, RSC	250	5 days
CP-VF-CR18	Crinkle void fill	4 cartons	2 days
CP-TP-G70	Water-activated paper tape	12 rolls	3 days

What each accessory is for, and how it goes in, is on the assembly instructions.

CUSTOM SIZES

Outside the standard web. A narrower roll is a slitting pass against the existing die at a 15,000 m minimum and a 2 week lead. A different cell needs a new die, which is 8 weeks and a quote. Before committing to either, wrap the item in the 600 mm web and cut the sheet back at the bench — a web that is trimmed once at the bench is very often cheaper over a year than a slitting minimum, and the offcut goes out with the wrap.

ARTWORK AND PROOFING

REQUIREMENT	
Supply format	Not applicable — a die-cut web is not printed
Roll label	Vector or 300 dpi, 100 × 60 mm, one colour on natural kraft
Carton label	Vector or 300 dpi, 150 × 100 mm. This is the label the goods-in bench actually reads
Minimum type	8 pt on either label. Uncoated kraft closes up fine detail
Colour	One, from the CambiumPak palette. Dyed web stock is quoted against the run, not against the artwork
Branding route	The outer carton and the tape. Both carry print properly and neither is inside the parcel
Proof round	One printed label proof before the run. There is no proof stage on the web itself

There is no artwork approval on the wrap. Where a pack has something to say, it says it on the outer or on the tape, and the artwork stage belongs to those families and runs to their lead times, not this one.

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MECHANICAL PERFORMANCE

CP-VF-HC24	
Form	Die-cut kraft, roll form
Roll width	600 mm
Roll length	75 m
Roll weight	5.4 kg
Core diameter	76 mm
Basis weight	120 gsm
Expansion ratio	1 : 3.2 by area
Expanded thickness	14 mm
Expanded cell pitch	15 mm
Cushion equivalence	5 mm bubble
Pack quantity	1 roll per carton

TEST CONDITIONS

- Expansion is by area and it happens once. A sheet that has been drawn cannot be re-rolled to anything like roll density, which is why the wrapping sheet asks for the length before the cut.
- Cushion equivalence is a wrap-count comparison, not a thickness one. Fourteen millimetres of cells is not five millimetres of film, and the two are only alike at the parcel.
- Every figure on this sheet is inferred from the nearest ratified family member. Nothing here has been through a test house.

RELATIVE CAPACITY

Store volume, wrap for a hundred parcels

Bubble film, on the roll		63 litres
Foam sheet, boxed		41 litres
Honeycomb, on the core		3 litres

HOW MUCH WRAP, AND WHERE

JOB	SPECIFY	WHY
One item, boxed or rigid	One wrap, 1.5 × the longest face	A single pass with the ends tucked. The cells hold each other, so nothing has to be taped round the item
One item, unboxed and awkward	Two wraps, crossed	The second pass at ninety degrees closes the faces the first one left open. It is still one material
Several items that must not touch	Not this family	Specify CP-DIV divider inserts. Wrapping each item separately costs more bench time than a grid does
Empty volume above the item	Not this family	Specify CP-VF-CR18. Filling a headspace with wrap is paying wrap prices for fill

Size the wrap to the item, never to the carton. A sheet cut to the box wraps the box, not what is in it.

TEST METHODS

FIGURE	METHOD	CONDITIONING
Expansion ratio	One metre drawn off at bench speed, the expanded sheet laid flat unloaded and its area measured against the flat length taken	23 °C / 50 % RH, 24 h
Cushion equivalence	900 mm drop of a 1 kg flat head onto an instrumented block, wrapped to the same count in each material, ten drops	23 °C / 50 % RH, 24 h
Grip	A wrapped block inclined until the item moves inside the wrap, angle recorded, ten wraps	23 °C / 50 % RH, 24 h
Basis weight	Ten 100 cm ² discs cut across the full web width, weighed dry	23 °C / 50 % RH, 24 h

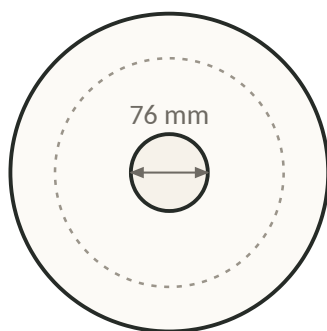
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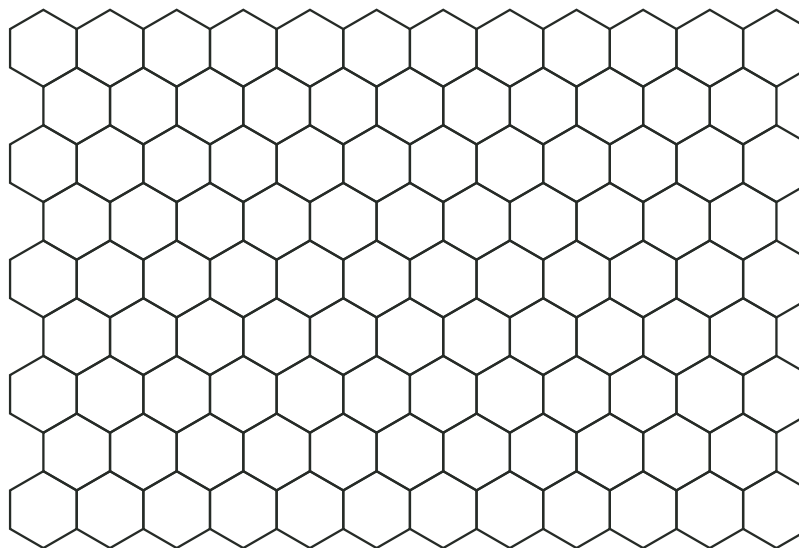
CP-VF-HC24 600 mm × 75 m roll

ROLL AND EXPANDED SHEET

ROLL



EXPANDED



cells interlock around the object · expanded thickness 14 mm

Every dimension on this sheet is in millimetres, except the roll length, which is in metres because that is how a roll is bought. Web figures are flat, on the core. Expanded figures are taken on a sheet laid out under no load, and a sheet under a hand is thinner than one that is not.

MEASUREMENTS

Roll width	600 mm
Roll length	75 m
Expanded cell pitch	15 mm
Expanded thickness	14 mm
Core diameter	76 mm
Roll weight	5.4 kg

PALLETISATION

Pallet	1200 × 1000 mm
Rolls per layer	6, upright
Layers per pallet	3
Pallet height, wrapped	1,980 mm



Three-quarter



Top



Expanded sheet