

WATER ACTIVATED TAPE  
REINFORCED



# PRODUCT DATA SHEET

**WP 100**  
WATER ACTIVATED TAPE  
REINFORCED

## DESCRIPTION

The WP-100 is a performance grade Water Activated Reinforced Paper Tape, designed for light to medium weight carton closure applications. The reinforced fiberglass kraft paper backing offers excellent tensile strength and is coated with an aggressive water activated adhesive, providing instant bond strength to most cardboard surfaces. The starch based adhesive flows exceptionally well into corrugated surfaces and is dispensed from the table top dispenser machines, that wet and activate the adhesive.



Made in the USA by SHURTAPE.



<b>ADHESIVE</b>	WATER ACTIVATED	
<b>BACKING</b>	REINFORCED KRAFT PAPER	
<b>ORDER CODES &amp; COLOURS</b>	SHURTAPE WP-100 NAT - Natural Kraft	SHURTAPE WP-100 - White

## FEATURES



### EXCELLENT STRENGTH

The WP 100 has excellent tensile strength properties, and the paper backing is reinforced with fiberglass filaments.



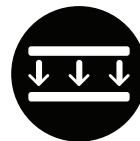
### GOOD CONFORMABILITY

Has good conformability, especially to corrugated surfaces.



### WATER-ACTIVATED ADHESION

The tape adhesion is activated by contact with water through use with either the M-1 or E-1 Phoenix Dispensers.



### AGGRESSIVE ADHESION

The water activated adhesive has aggressive adhesion and becomes part of the carton.



### TAMPER PROOF

Once activated the tape forms a permanent bond to cartons to prevent pilferage.



### PRINTABLE SURFACE

The paper backing is directly printable, providing an economical way to present a brand or handling instructions.



### ROHS & REACH COMPLIANT

Complies with ROHS (Directives 2011/65/EU, 94/62/EC) and REACH (SVHC) standards.



### FDA COMPLIANT

Meets FDA (21 CFR 175.105) requirements.



### GOOD TEMPERATURE RANGE

Very good temperature range  
-29°C to +49°C



### COLD STORAGE APPLICATION

Suitable for cold storage applications.

## TYPICAL APPLICATIONS

- For durable strong sealing of most carton surfaces – testing recommended on recycled board grades.
- Designed for light to medium weight carton loading – cartons used in product storage and transportation.
- The filament reinforced backing provides conformability for easy application and extra strength – excellent for tamper proof packaging.
- The paper backing is printable and can be written on for clear identification during storage and transportation.



## QUICK TAPE TIPS

### ADVANTAGES OF WATER-ACTIVATED TAPE:

- Delivers a powerful bond to corrugated surfaces, producing tamper-evident seals that reduce the risk of theft.
- Is easy to use - with little to no training new employees.
- Allows for quick and efficient dispensing at the touch of a button if using an electronic dispenser.
- Provides flexibility for packers to be creative when packaging odd assortments of products.

## TAPE STRUCTURE

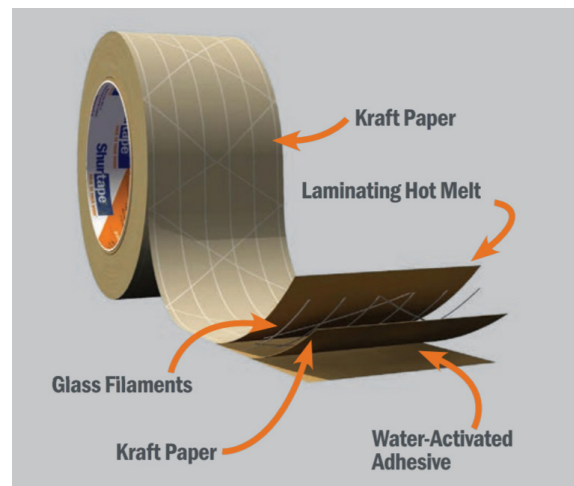
Water-activated tapes consist of 5 layers; kraft paper, laminating hot melt, glass filaments, kraft paper, and water activated adhesive.

### ADHESIVE

Starch-based adhesive flows exceptionally well into corrugated surfaces, forming a permanent bond to prevent pilferage. **Requires the use of a table top dispenser (Phoenix M-1/E-1)** that wets and activates the adhesive, dispensing a preset length of tape.

### BACKING

Filament-reinforced paper backing provides conformability for easy application and extra strength to deliver content security throughout the supply chain. The paper backing is also printable, providing an economical way to present a brand or handling instructions.



### PHOENIX Gummed Tape Dispensers

M-1 - Manual  
E-1 - Electronic

Required in order to wet and activate adhesion.



## MARKETS

## TECHNICAL INFORMATION

Backing	Reinforced kraft paper, (MD) H110/(CD) G150 fiberglass
Adhesive	Starch Based Adhesive Water activated
Colours	Natural & White
Thickness	0.13mm
Tensile Strength (MD) (CD)	96.3 N/10 mm 43.8 N/10 mm
Service Temperature Range	-29°C to 49°C
Application Temperature Range	0.6°C to 43°C
Standard Widths	70mm
Standard Lengths	138m
Storage & Usage Conditions	Should be stored in its original packaging in a cool, dry area away from direct sunlight & used within 12 months of date of shipment.
Origin	Made in the USA by SHURTAPE  ISO 9001 Certified Quality System

Slit to various width sizes as required.

## SIMILAR PRODUCTS

- GP 100 Non-reinforced Gum Paper Tape  
Colour: Natural Kraft

NOTE: We recommend tape product testing to assess the suitability of the selected product to the end application & conditions. For surface preparation and guidelines please refer to our website [www.tapespec.co.nz](http://www.tapespec.co.nz) Advanced Tape Application Guide.

## SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, & fats, oxidation, release agents & any other known contamination.

The correct choice of surface cleaner depends on the surface properties. Essentially non-greasy cleaners are recommended including isopropanol alcohol (mixed 50/50 with clean water). Cleaning cloths must be clean, grease & fat free with no loose fibers or cloth particles.

The bond strength is dependent upon the contact pressure of the adhesive to substrate. To assist this process all adhesive tapes require firm hand or roller pressure.

## BONDING APPLICATION TEMPERATURE

We recommend that the product, substrate & environment should be between +15°C & 25°C. Ensure that the adhesive product & substrates are allowed time to adjust to the environment temperature before bonding. For product storage we recommend that products are stored in their original packaging under dry conditions, ideally at room temperature but not warmer than +25°C. High relative humidity & direct sunlight must be avoided at all costs.

For more detailed handling instructions please refer to our comprehensive application guide.

## PRODUCT USE

The information in this guide is based upon our knowledge & practical experience. This data is intended only as a source of information given without guarantee & does not constitute a warranty.

Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use. Trial samples are provided free of charge & without obligation.

For detailed surface preparation & application information please refer to our detailed Surface Condition & Preparation Guide.

[tapespec.co.nz](http://tapespec.co.nz)

0800 367 8273

100% NZ owned & operated since 1998

New Zealand Tape Specialists Ltd

**tape**spec™  
● ● ● ●  
STICK WITH QUALITY