

## LOFT POWER

The purpose of sleeping bag insulation is to trap the heat emitted from your body & prevent it from diffusing into the cold air around you. Down fill is the most efficient & comfortable insulation, providing an extremely high warmth-to-weight ratio. Kathmandu uses only high quality down fill, the performance of which is measured by loft power. Loft power or loft, is calculated by measuring the volume an ounce of down occupies in a climate-controlled test cylinder. The more volume occupied by an ounce of down (cu/in oz), the more air is trapped & the greater the insulation & warmth provided. The higher the loft power, the better it will protect the user from the elements; for example, one ounce of 700 loft power down will occupy 700 cubic inches. Kathmandu mummy bags are on average 700 loft & the semi-rectangular & rectangular bags are on average 600 loft.

As down is a natural product, minor variations on loft power may occur between bags. Kathmandu has a quality assurance program in place to guarantee the highest standards & minimum variances occur in manufacturing.

## CONSTRUCTION

### Trapezoid Baffles

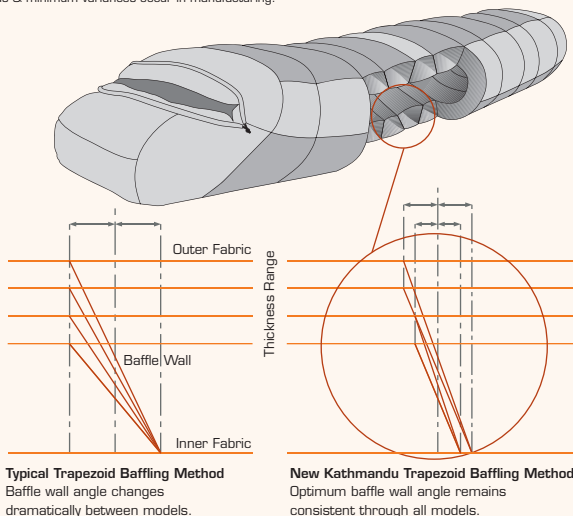
Baffles are the compartments that segment a sleeping bag & contain the down fill. Trapezoid is the best baffle shape as it provides good stability with minimal weight.

### Curved Trapezoid Baffles

Each down bag features curved trapezoid baffles. Curved baffles reduce down movement, maintaining consistent fill distribution & thickness.

### Baffle Wall Angles

Kathmandu trapezoid baffle spacing varies between the models depending on the fill amount/average thickness. This provides an optimum baffle wall angle for all bags.



## OUTERSHELL FABRICS

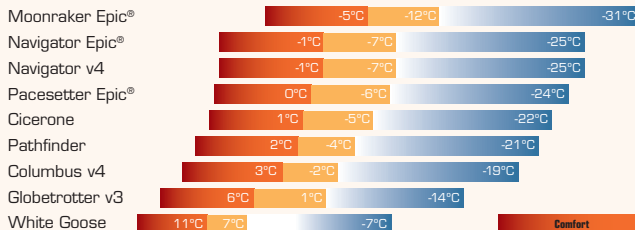
Taffeta fabric is generally considered to be down-proof if it has a thread count of 260. That's why we use lightweight & durable silky nylon taffetas with minimum thread counts of 310 on our goosedown bags - no down escapes, & you stay warm & comfortable.



Kathmandu's all-condition bags use an EPIC™ by Nextec® outer.

Designed for weatherproof protection, EPIC™ by Nextec® fabric is soft, lightweight, extremely breathable, water-resistant & windproof. EPIC™ by Nextec® fabric is suited to the most extreme conditions & is ideal for highcountry pursuits, adventure & travel. Nextec® uses a patented fibre encapsulation process meaning the protection is inside the fabric therefore absorbing very little moisture & staying dryer in wet conditions.

## EN 13537 TEMPERATURE RATINGS



**T Comfort** is based on a 'standard' adult woman having a comfortable nights sleep

**T Limit** is based on the lowest temperature at which a 'standard' adult male is deemed to be able to have a comfortable nights sleep.

**T Extreme** is a survival only rating for a 'standard' adult woman. "In the risk range a strong sensation of cold has to be expected & there is a risk of health damage due to hypothermia". This is an extreme survival rating only & it is not advisable for consumers to rely on this rating for general use. The best guideline temperatures for purchase decisions are the T Comfort & T Limit ratings.

Comfort	T Comfort ♀	♂ T Limit	T Extreme
	Transition		Risk

## SIZING & WEIGHT

	Small	Standard	Large
Mummy	-	70cm x 206cm	72cm x 220cm
Semi Rectangular	-	72cm x 211cm	74cm x 225cm
Rectangular	72cm x 197cm	76cm x 211cm	78cm x 225cm

Bag weight includes stuff/compression sac