

Rab

Hydrophobic Down

FILL POWER

Fill Power measures how well the down lofts. The higher the loft the higher the fill power rating. Goose down fill power ratings in the outdoor industry generally vary between 600 and 850. Duck down fill power generally varies between 500 and 700.

WARMTH

Fill power affects the loft of the down and so crucially it measures the approximate warmth of a down item. For example a sleeping bag with 600g of 800 fill power down will be warmer than one with 600g of 600 fill power down. So a lower amount of a higher fill power down can be used to make a lighter bag of the same warmth.

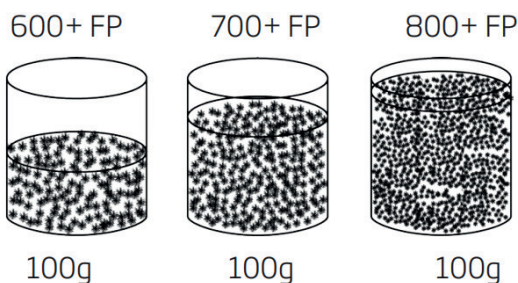
CLUSTER RATIOS

The cluster ratio is the proportion of down to feathers. Processing the down removes almost all feathers, but it is impossible to get 100% down without any feather. The ratios we use are 90/10 where 10% is the maximum feather content for goose down and 80/20 for duck down.

FILL WEIGHT

Fill weight is the total amount of down used in a complete item. This is generally measured in grams. Fill weight along with baffle construction is one of the largest influences on the overall warmth of the item. Very generally speaking the more down inside the item, the warmer it will be – although this is also largely influenced by fill power and cluster ratios.

Across the Rab® range of clothing and sleeping bags we have fill weights ranging from 95g right up to 1400g. This allows us to offer a wide variety of items to suit a very wide range of climatic conditions.



RESPONSIBLE DOWN STANDARD

All our down is accredited under the Responsible Down Standard which ensures that down and feathers come from ducks and geese that have been treated well. This mandate means ensuring the Geese and Ducks are able to live healthy lives, express innate behaviours, and not suffer from pain, fear or distress. This rigorous standard is independently audited and follows the chain of custody of each batch of down through every stage of the process – from farm to processing.

Rab® believes RDS is the most robust and transparent scheme available and means consumers can be confident that the down in the products they choose is truly responsibly sourced.



HYDROPHOBIC DOWN

All our down is processed with a Hydrophobic Down treatment. This is a PFC-free chemistry co-developed with Nikwax® that is added to the down at the cleaning stage.

Hydrophobic Down absorbs less water than untreated down when exposed for long periods of time. Down is innately waterrepellent, but will lose its insulating properties when eventually saturated with water.

Hydrophobic Down helps to protect the down from saturation, preserving its lofting ability and insulation ability for longer. It will also speed up drying times, extending the range of conditions in which you can use your down filled product. Moisture that affects down performance can come either from the environment or from body moisture. Hydrophobic Down effectively combats the negative effects of both risks.

