Ski Waxes Science & Technology

By MinseoR

First what is cross-country ski

- Cross country ski is the mixture of balance, skills, equipment and stamina. However I think wax is also a part of mixture because it can actually influence to competitors ranking.

Function of wax

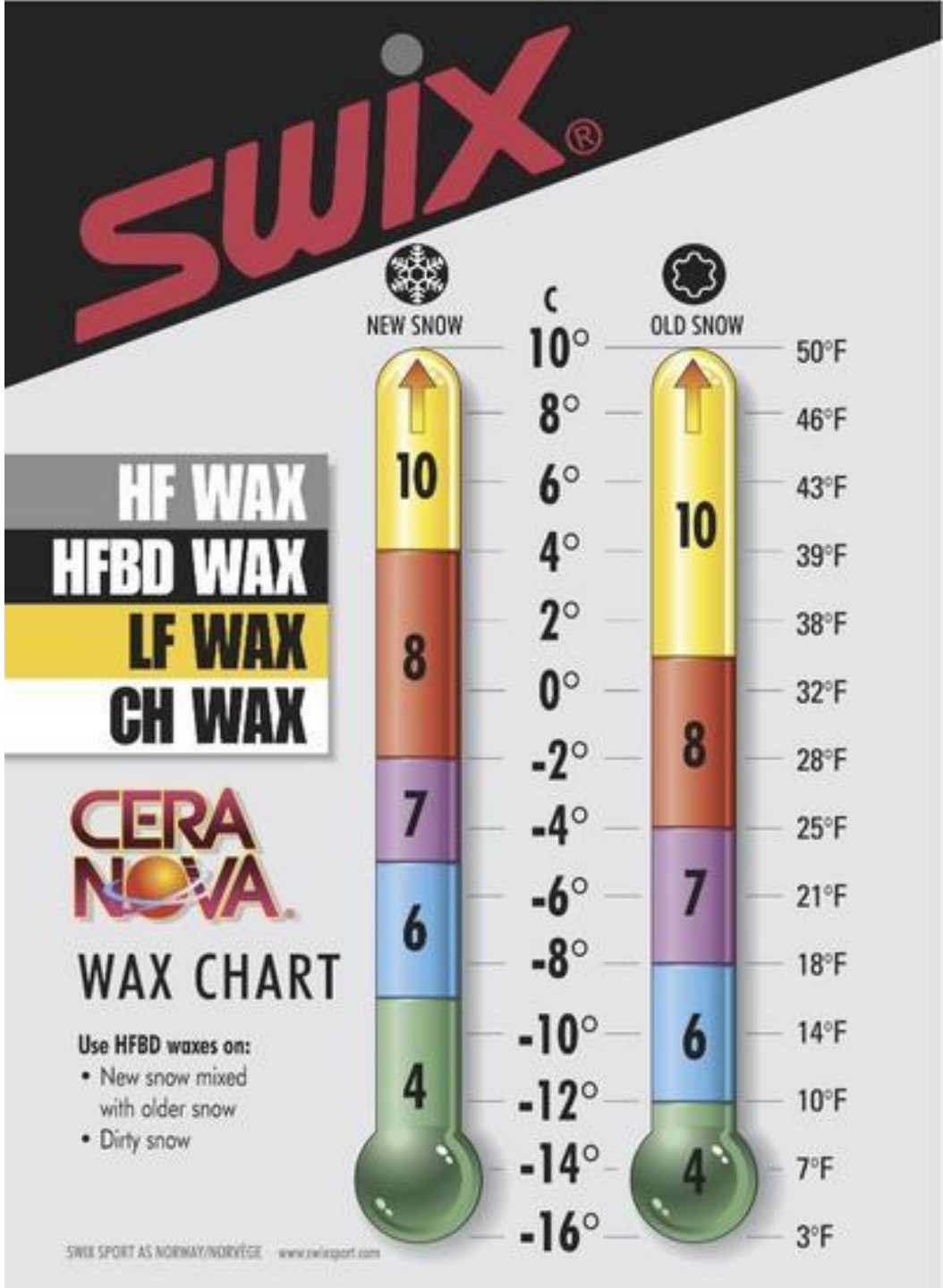
- Wax can actually make big difference on speed and also it can actually make snow not stick on skis.

How to choose suitable wax

- To choose suitable wax you need to have thermometer because you need to measure the temperature the top of the snow and inside of the snow.

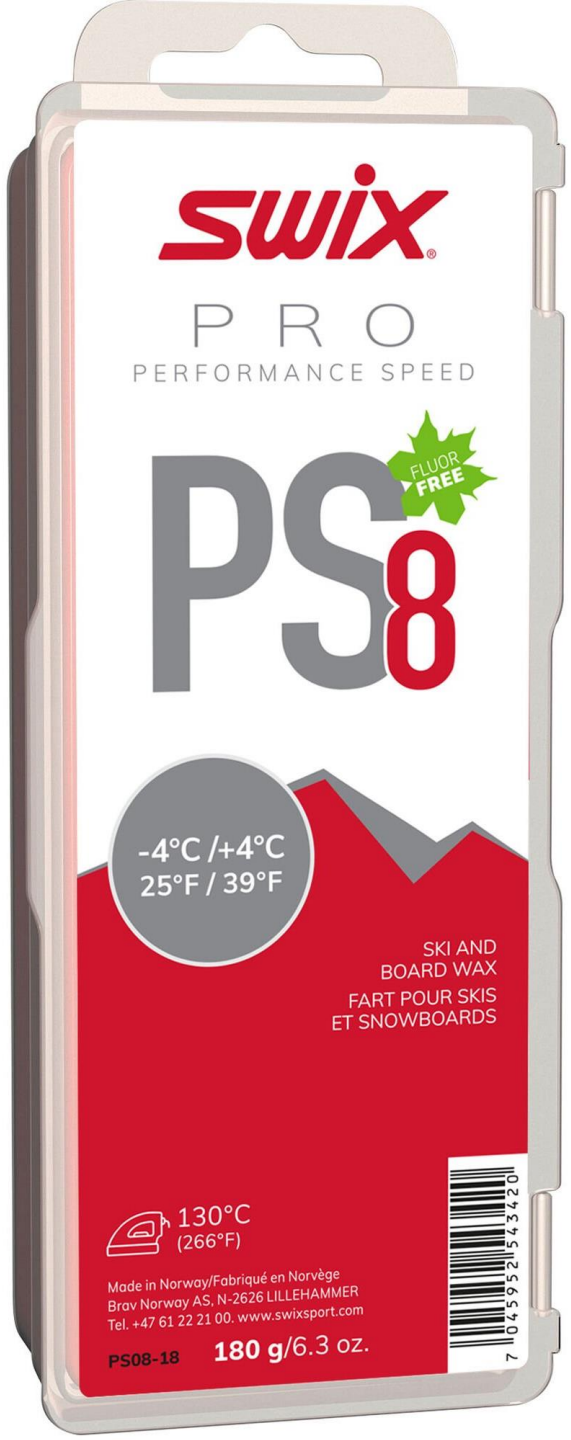
Temperature

- Temperature is really matter on ski wax because wax influence the friction between skis and snow. So in low(cold) temperature you will need harder wax, and in high(warm) temperature you'll need softer wax.



(Low)Cold temperature

- In Cold temperature such as fall below 0 degrees I recommend to use harder wax. Because, it can gives you better grip on icy snow and also gives you less friction so you can glides faster.



(High)Warm temperature

- In warm temperture such as higer than 0 degrees I will recommend to use soft waxes the reason for this is because it will make snow not stick on the skis so it gives you easier glides on slushy-like snow.