



RACING SERVICE WAX REPORT

AMERICAN BIRKEBEINER PRELIMINARY WAX RECOMMENDATION
TUESDAY, FEB. 22ND 10PM

Skating

Thursday 2-24 1pm



FORECAST

Today- Mostly Sunny throughout the day with a forecasted high of 25°F.

Tonight- Mostly Cloudy with a low of 4°F. Calm wind.

Friday Feb. 25th- Mostly Cloudy with a 20% chance of snow showers. Forecasted high of 14°F. North wind of 5 mph.

Friday Night- Mostly Cloudy with a 20% of snow showers. Forecasted low of -4°F. Calm wind.

Saturday Feb. 26th- Mostly Cloudy with 20% of snow showers. Forecasted high of 16°F. Southwest wind of 5 mph

COURSE CONDITIONS - *UPDATED*

The track has a hard base with 2 inches of fresh snow on top. The snow is relatively clean, given the freeze/thaw cycle of last week and the track will consist of mostly fresh snow crystals (type 2 in the Swix Classification System). Because of this, the 6 and 7 waxes in the Swix Cera Nova Wax System are running very fast. .

WAXING CONSIDERATIONS

1. Base Preparation

Clean glide zones with Swix Base Prep 77- BP99 using the "hot scrape" method. Scrape the BP-77 while still molten with a sharp, clean plastic wax scraper- T0824D. Let the skis cool, then brush out the skis with Swix Fine Steel Brush- T192. This will open the base pores of the ski.

If you will be using or use Swix Cera F and or Swix HF waxes, we recommend using Swix Cleaner for Flour Glide Wax and Conditioner- I0084. Wipe the base with I84 using a piece of Fiberlene. While the base is still wet, brush and scrub from tip to tail with a Swix Nylon White Brush- T0161. Using a new, clean piece of Fiberlene, wipe the ski base clean and let dry for 5-7 minutes, then brush with the Swix Ultra Fine Steel Brush- T191. The very fine steel bristles of this brush thoroughly clean the base structure of the ski base.

2.Durability

Given the length of the race and the aggressive nature of the snow crystals on the race track, it will be important to build strong and solid base layers into the ski base, prior to the HF and Cera F wax layers. The first step is to use Swix Moly Flouro Wax- MB77. Apply one layer of MB77, let cool then scrape and brush. Brush with the Fine Steel Brush, then polish with the Swix Blue Nylon Brush- T0160

Next, apply one layer of Swix LF4, scrape and brush, using the same method as the MB-77. NOTE- because LF4 is a hard glide wax, it is possible and recommended to scrape this wax while it is still warm to the touch.

3.Ski Selection and Structure

Expect the race track and snow to be firm. Use a medium to stiff flex ski that will be stable in hard pack snow conditions. Fine to medium fine base structures will work well. If you need to add structure, use the Swix T0403 Economy Structure tool with the 0.3mm Broken-V structure roller. Apply the 0.3mm Broken-V structure roller after final waxing and brush with Swix Blue Nylon Brush- T0160

UPDATED WAX RECOMMENDATION

FAST LANE TO HAYWARD Waves Elite & 1-5

Base HF wax layers:

Apply one layer of NEW Swix Marathon Wax- DHF104BW. The Marathon Wax is a highly durable wax for aggressive snow crystals and has a High Flouro content and BW additive to resist dirt. Iron at 140°C, let cool 4-6 minutes, then scrape and brush using first the Swix Fine Steel Brush- T0192 then the Swix Ultra Fine Steel Brush- T0191. Using both brushes properly removes all excess wax and reveals ski base structure. Polish with Swix Blue Nylon Brush- T0160.

Apply one layer of Swix HF6. Iron at 140°C, let cool 4-6 minutes, then scrape and brush using above method.

Visit swixracing.us for up todate wax recommendation



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Race Cera F layer:

Apply Swix FC7 Cera F Powder. Iron in with one pass (5-7 seconds) with iron temperature at 160°C. Let cool 3-5 minutes, then brush up the ironed in powder using Swix Black Nylon Brush- T0194. Iron a second time using the same process. Let cool 5 minutes. Brush out with Swix Wild Boar Brush- T0164 and polish with Swix Blue Nylon Brush.



FAST LANE TO HAYWARD Waves 6-10

Base HF wax layers:

Apply one layer of NEW Swix Marathon Wax- DHF104BW. The Marathon Wax is a highly durable wax for aggressive snow crystals and has a high Flour content and BW additive to resist dirt. Iron at 140°C, let cool 4-6 minutes, then scrape and brush using first the Fine Steel Brush- T0192 then the Ultra Fine Steel Brush- T0191. Using both brushes properly removes all excess wax and reveals ski base structure. Polish with Swix Blue Nylon Brush- T0160. Apply one layer of Swix HF6BW. Iron at 140°C, let cool 4-6 minutes, then scrape and brush using above method.

Race Cera F layer:

Apply Swix FC7 Super Cera F Powder. Iron in with one pass (5-7 seconds) with iron temperature at 165°C. Let cool 3-5 minutes, then brush up ironed in powder using Black Nylon Brush- T0194. Iron a second time using the same process. Let cool 5 minutes. Brush out with Wild Boar Brush- T0164 and polish with Blue Nylon Brush.

PERFORMANCE PRO Waves 6-10

Base HF wax layers:

Apply two layers of Swix HF7. Iron each layer at 130°C, let cool 4-6 minutes, then scrape and brush thoroughly using the Fine Steel Brush- T0192 first, then the Ultra Fine Steel Brush- T0191 second. Polish with the Blue Nylon- T0160.

Race Cera F layer:

Apply Swix FC7WS Turbo Solid Block. Rub on one thick layer and iron in at a temperature of 160°C with one quick pass tip to tail. Let cool 5 minutes and brush out with Wild Boar Brush- T0164, then polish with Blue Nylon. Run on a second layer and hand cork in with Swix Natural Cork- T0020 or T0021. Brush out with Wild Boar then polish with Blue Nylon.

PERFORMANCE Waves 1-5

Base LF wax layer:

Apply one layer of Swix LF4. Iron at 150°C, let cool 4-6 minutes, then scrape and brush thoroughly using the Swix Fine Steel Brush- T0192. Polish with the Blue Nylon Brush- T0160.

Race HF wax layers:

Apply two layers of Swix HF7. Iron at 130°C, let cool 4-6 minutes, then scrape and brush thoroughly using the Fine Steel Brush, then polish with the Blue Nylon. Repeat the process.

PERFORMANCE Waves 6-10

Base LF wax layer:

Apply one layer of Swix LF6. Iron at 140°C, let cool 4-6 minutes, then scrape and brush thoroughly using Swix Fine Steel Brush- T0192. Polish with the Blue Nylon Brush- T0160.

Race HF wax layers:

Apply two layers of Swix HF7. Iron at 130°C, let cool 4-6 minutes, then scrape and brush thoroughly using Swix Fine Steel Brush- T0192. Polish with the Blue Nylon Brush- T0160. Repeat the process.

Waves 6-10:

Apply 5-7 thin layers of Swix VR40. Cork smooth. If added grip is needed, add one layer of VR45 underneath the foot to 15cm in front of the binding. It is recommended to cork outdoors.