



**DANGER PATTERNS (DP):** [dp.6 - cold, loose, new fallen snow and wind](#); [dp.4 - cold following warm / warm following cold](#); [dp.1 - deep persistent weak layer](#)

## High avalanche danger initially, as of evening in southern East Tirol probably Very High

### AVALANCHE DANGER

Avalanche danger in southern regions is tense. In East Tirol and in the southern Stubai Alps it is High, in general. A further rise in danger level towards Very High depends on the intensity of snowfall in the latter part of the day. If it is heavy, a further rise in danger in the East Tyrolean Dolomites, the Carnic Ridge and the southern ramparts of central East Tirol to the level Very High is anticipated. That means that we also expected large-sized, damage-causing avalanches. In the southern ramparts of central East Tirol, a collapse of the very deep snow cover is more likely (due to the terrain and the poorer snow layering) than further to the south. In southern regions, on the other hand, the snowfall is far heavier, making potential avalanches large-sized there as well. Due to beginning rainfall, full depth snowslides are now more likely. In remaining North Tirol, considerable avalanche danger generally prevails. Beware recently formed snowdrift, it is trigger sensitive. Rising temperatures will heighten the snowpack's proneness to triggering temporarily.

### SNOW LAYERING

Mind-boggling 135 cm of snowfall since yesterday morning in the East Tyrolean Dolomites, all in all amounting to 215 cm of new fallen snow over the course of 48 hours. In northern East Tirol there was 20-35 cm. Strong winds still stirring wide ranging snow transport. At low altitudes, the snowpack is beginning to moisten. Inside the snow cover are several potential bed surfaces for slab avalanches: at mid-level there is depth hoar; faceted snow crystals atop melt-freeze crusts; cold, loosely packed snow at high altitudes. The lowermost layers also have faceted crystals, i.e. depth hoar. Extreme loads atop them could cause the entire snowpack to collapse.

### ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Mountain weather today: skies will become overcast as of afternoon. Barrier cloud on Main Alpine Ridge from the south, some snowfall down to 1500-2000m, in the Southern Alps poor visibility and light to moderate snowfall. Temperature at 2000m: 0 degrees; at 3000m -4 degrees. Storm-force southerly winds at high altitudes; in classic foehn-exposed regions wind gusts will attain gale force.

### SHORT TERM DEVELOPMENT

Following the snowfall, the situation will improve.

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Translated by Jeffrey McCabe