

# DIN EN 1991-1-3:2010-12 (E)

Eurocode 1: Actions on structures – Part 1-3: General actions – Snow loads  
(includes Corrigendum AC:2009) English translation of DIN EN 1991-1-3:2010-12

---

<b>CONTENTS</b>	<b>Page</b>
<b>Foreword to EN 1991-1-3:2003 + AC:2009</b>	<b>4</b>
<b>1. Section 1 General</b>	<b>8</b>
1.1. Scope	8
1.2. Normative references	9
1.3. Assumptions	9
1.4. Distinction between Principles and Application Rules	9
1.5. Design assisted by testing	9
1.6. Terms and Definitions	10
1.7. Symbols	11
<b>2. Section 2 Classification of actions</b>	<b>13</b>
<b>3. Section 3 Design situations</b>	<b>14</b>
3.1. General	14
3.2. Normal conditions	14
3.3. Exceptional conditions	14
<b>4. Section 4 Snow load on the ground</b>	<b>16</b>
4.1. Characteristic values	16
4.2. Other representative values	16
4.3. Treatment of exceptional snow loads on the ground	17
<b>5. Section 5 Snow load on roofs</b>	<b>17</b>
5.1. Nature of the load	17
5.2. Load arrangements	18
5.3. Roof shape coefficients	20
5.3.1. General	20
5.3.2. Monopitch roofs	21
5.3.3. Pitched roofs	22
5.3.4. Multi-span roofs	23
5.3.5. Cylindrical roofs	24
5.3.6. Roof abutting and close to taller construction works	25
<b>6. Section 6 Local effects</b>	<b>28</b>
6.1. General	28
6.2. Drifting at projections and obstructions	28
6.3. Snow overhanging the edge of a roof	29
6.4. Snow loads on snowguards and other obstacles	30

<b>ANNEX A</b>	<b>31</b>
<b>Design situations and load arrangements to be used for different locations</b>	<b>31</b>
<b>ANNEX B</b>	<b>33</b>
<b>Snow load shape coefficients for exceptional snow drifts</b>	<b>33</b>
<b>ANNEX C</b>	<b>38</b>
<b>European Ground Snow Load Maps</b>	<b>38</b>
<b>ANNEX D</b>	<b>53</b>
<b>Adjustment of the ground snow load according to return period</b>	<b>53</b>
<b>ANNEX E</b>	<b>55</b>
<b>Bulk weight density of snow</b>	<b>55</b>
<b>Bibliography</b>	<b>56</b>