

PRODUCT INFORMATION

EXTREME WEATHER WORKING ADVICE NOTE

This advice note relates to procedures for the production and placement of all cementitious concrete and screed products, regardless of brand or purpose, during times of particularly hot or cold weather.

British standards stipulate (BS8204 Part 7 :2003 section 7.2.2 - temperature) that the temperature of both the base slab and the air in the area that concrete or screed is to be installed should always remain in the range +5°C to +30°C. This applies to the period of time that the material is being installed and also subsequently for at least 72 hours.

Please note that in cold conditions it can take some time to raise the temperature of a cold concrete base.

If mixing and laying are to proceed during either hot or cold weather, measures should be taken to ensure that stored materials are maintained at between 5°C and 30°C, ideally at about 15°C to 20°C.

Installing concrete and screed products in very warm conditions can result in a loss of working time, and hence less effective self-smoothing, over-rapid drying and a risk of some shrinkage cracking. In very cold conditions there will be extended hardening and drying times and a risk of frost damage.

NHBC regulations 2017 (section 9.3.4) also advise that concrete and screed should not be installed during weather conditions which could adversely affect the finished construction, and suggest that in cold weather, they should not be installed. Material that is damaged by cold weather should be removed and replaced.

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