

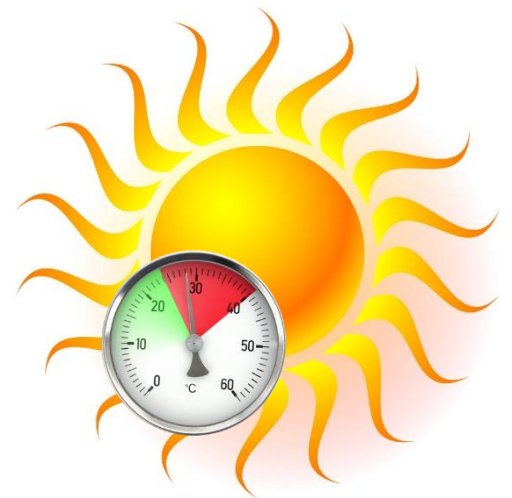
Guidelines for Installation During High Temperatures

Introduction

With any screed installation, best practices should be adhered to and precautions need to be put in place and even more so when screeding during warm weather conditions.

During the summer months when the temperature can exceed 25°C, extra care must be taken to ensure that Longfloor IntegraCure liquid cement screed can perform to the highest standards.

European standards stipulate (EN8204 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.



NHBC regulations 2017 (section 9.3.4) advise that screed should not take place during warm weather conditions which could adversely affect the finished construction.

When installing Longfloor IntegraCure screed in very warm conditions please note this may result in a loss of working time, and hence less effective placing properties, over-rapid drying and a risk of shrinkage cracking.

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Longfloor is the registered trade name of Longfloor binder for a liquid cement screed.



Temperature

Ambient temperatures - During screed placement up to 25°C should not cause any harm or significant problems to the screed's performance. Ambient temperatures of 25°C and above, allied to low humidity and drying winds, require extra caution during placement.



We do not recommend the supply and installation of Longfloor screeds when the ambient temperature is due to exceed 30°C



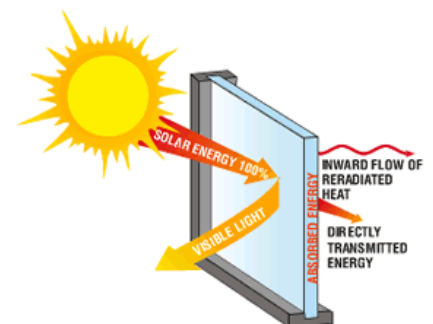
Please be aware - Thermal shock may result from rapid drops in the temperature of exposed Longfloor IntegraCure screed especially when the screed has been placed on a hot day followed by a cool night.

Screed Temperature - EN 206 requires that the temperature of concrete on delivery shall not be more than 30°C but must be more than 5°C and rising to ensure the best results.

Solar Heat Gain

When solar radiation is admitted through a window, door or skylight – either transmitted directly and/or absorbed, and subsequently releases extra heat inside a building. The heat absorbed in the screed can cause long term shrinkage, cracking and curling.

It is always advised that all glazing should be covered to protect the screed and to reduce the risk of potential problems arising due to solar heat gain.



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