



TECHNICAL INFORMATION:FLOODING

Background

Around five million people, in two million properties, live in flood risk areas in England and Wales. The Government's Foresight report estimated that currently 80,000 properties also have a very high likelihood of flooding from surface water runoff (10% annual chance), causing on average £270 million of damage each year.

Changes in climate, such as more severe storms will increase these risks (Environment Agency website www.environment-agency.gov.uk/yourenv/eff) meaning the associated costs could increase to several billion.

Carter Concrete Ltd products especially the Beam & Block suspended ground floor system have inherent resistance to the affects of flooding due to their high environmental exposure rating.

There is no comparison between the resistance of suspended concrete floors to that of timber constructions.

Exposure classes related to environmental conditions based on BS EN 1992 – 1-1 for Carter Concrete Ltd products can be used with confidence (range from XC1 to XF3) can be achieved without any additional protection and hence are a solution to obtaining the required resistance against flooding