



DEGREE OF WATERTIGHTNESS

Levels of Dryness – BS 8102 (2009)

Grade	Basement Usage	Performance Level
1	Car parking; plant rooms (excluding electrical equipment); workshops	Some seepage and damp patches tolerable
2	Workshops and plant rooms requiring drier environment' retail storage areas	No water penetration but moisture vapour tolerable
3	Ventilated residential and working areas including offices, restaurants, leisure centres etc.	Dry environment
4	Archives and stores requiring a controlled environment	Totally dry environment

Levels of Dryness (CIRIA 139)

Grade	Relative Humidity	Temperature	Performance Level	
			Dampness	Wetness
3	40 – 60% 55 – 60% for a restaurant in summer	Offices: 21-25°C Residential: 18-22°C Leisure Centres: 18°C for spectators 10°C for squash courts 22°C for changing rooms 24-29°C for swimming pools Restaurants: 10-25°C Kitchens: 29°C max.	None acceptable Active measures to control humidity may be necessary	None acceptable
4	50% for art storage >40% for microfilms/tapes 35% for books	Art storage: 18-22°C Book archives: 13-18°C	Active measures to control humidity probably essential	None acceptable