

## Introduction

This section gives recommendations for use of mastic asphalt in tanking applied both internally and externally.

Mastic asphalt for tanking shall conform to type T1097 in BS6925:1988.



## Design considerations

### GENERAL

It is essential that a clear distinction should be drawn at the initial design stage between tanking and tank lining to liquid containing structures, as these two waterproofing systems differ in their fundamental purpose and impose their own design constraints which cannot be ignored without risk of failure and possible contravention of British Standard Code of Practice recommendations.

### TANKING PRINCIPLES

Tanking with mastic asphalt is a method of protecting areas below ground level against the penetration of ground or subsoil water. This water will invariably exert a pressure against the basement structure. The amount of water pressure will depend upon two interrelated factors:

1. The maximum water table level
2. The depth of the basement below the water table

In practice, it is advisable to assume that the head of water is developed from ground level, to the full depth of the excavation to allow for seasonal fluctuation in the water table.

TANKING

tanking