

ASTRA-GLAZE-SW SPECIFICATION

COMPOSITION & STANDARDS

Manufactured in accordance with ASTM-C90 Type 1 (American standard)

CONCRETE MIX

Crushed aggregate and cement

FACING MIX

High purity silica sands and resinous binder permanently bonded on to block in a thermosetting process.

CONCRETE BLOCK DENSITY

1600kg/m³

NOMINAL BLOCK STRENGTH

7.3N/mm²

THERMAL CONDUCTIVITY

0.51W/mk

COEFFICIENT OF LINEAR EXPANSION

10.5 x 10⁻⁶/K

DIMENSIONAL TOLERANCE

Astra-Glaze is manufactured to ±1.6mm for face dimensions.

WATER ABSORPTION

Astra-Glaze is impervious to water penetration. Therefore, when joints are grouted correctly with waterproof mortar (supplied by others), an impervious wall finish can be achieved. Adequate ventilation should be provided in areas of particularly high humidity.

FIRE RESISTANCE:

Astra-Glaze is manufactured with a class 1 fire rated aggregate

The facing material fully complies with and exceeds the strict requirements of ASTM C90 for flame spread and smoke emission.

CUTTING

All cutting must be carried out on a bench-mounted clipper saw with a continuous supply of clean water. The blade should enter the glazed face first.

All cut units should be thoroughly washed and allowed to dry before use.