GENERAL MEMBRANE S.p.A. Via Venezia 28 I-30022 Ceggia (VE) Italy

Resistance to root penetration of the flexible sheet Gemini Garden P 4 mm Mineral

Dear Sir or Madam

The flexible sheet labelled as Gemini Garden P 4 mm, finished on upper surface with talc, has passed the test of resistance to root penetration according to EN 13948 at our institute. The sheet Gemini Garden P 4 mm is regarded as being resistant to root penetrations according to EN 13948 (see report number 7/12).

The tested sheet Gemini Garden P 4 mm is also produced with an upper surface, finished with mineral granules and labeled as Gemini Garden P 4 mm Mineral. According to an affirmation of the GENERAL MEMBRANE S.p.A. both sheets are produced by using the same material, the same formulation (excepting the finish of the upper surface) and the same production process. The joint technique is identically too.

As the modified finish of the upper surface does not affect the root resistance of the sheet, the sheet Gemini Garden P 4 mm Mineral can be regarded as being resistant to root penetration according to EN 13948 as well.

Reference samples of the two mentioned flexible sheets are stored at our institute.

Best regards

(Martin Jauch)

Freising 09.07.12

HOCHSCHULE

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