MAPEI S.p.A.
Con Socio Unico
SEDE | HEAD OFFICE
Via Cafiero, 22 - 20158 Milano, Italia
Tel. +39 02 37673.1
Fax +39 02 37673.214
www.mapei.com - mapei@mapei.it
amministrazione@pec.mapei.it

VOC CONTENT

The products are analyzed according to SCAQMD Rule 1168 or 1113 (as mentioned in LEED Criteria), which set the USEPA 24 -Determination of Volatile matter Content, Water Content, Density Volume Solids, and Weight Solids of Surface Coating - as the method for the evaluation of VOC content expressed as g/l.
Mapei analytical central lab in Milan is equipped with all instruments for the evaluation of all parameters for VOC content as required by SCAQMD Rule 1168 and Rule 1113:

1. DENSITY: determination by pycnometer according to ASTM D1475 – 60

2. VOLATILE CONTENT: determination according to ASTM D2369 by heating the sample at 110 ± 5°C for 60 min

3. WATER CONTENT: determination according to ASTM D 4017 by the Karl Fischer Titration Method

   Mapei analytical central lab is equipped with a Karl Fischer titrator, as required by USEPA 24 for water content determination. Since some samples can be sticky, rubber, solid and/or hard to dissolve in methanol, an oven has been used to bring the water content to the Karl Fisher vessel. A picture of the titrator describes the technique.

4. EXEMPT COMPOUNDS: not used in our formulations

PRODUCT	VOC CONTENT (g/l)
MAPEGROUT T60	0,0

Mikaela Decio
Corporate Environmental Sustainability Manager

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Via Cafiero, 22 - 20158 MILANO
C. F. e P. I.: 01649960158