

Materials List for:

Experimental Protocol to Investigate Particle Aerosolization of a Product Under Abrasion and Under Environmental Weathering

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Materials

Name	Company	Catalog Number	Comments
Photocal Masonry	Nanofrance Technologies		Test sample
Masonry brick (ref. 901796)	Castorama		Support for test sample
Optical microscope (model Imager.M1m)	Carl Zeiss MicroImaging GmbH		For microcopic analysis
Energy-dispersion spectroscope (model X-max)	Oxford Instruments		For elemental composition analysis
Transmission Electron Microscope (model CM12)	Philips		For microcopic analysis
Weathering chamber (model Suntest XLS+)	Atlas		For accelerated artificial weathering
Xenon arc lamp (model NXE 1700)	Ametek SAS		UV rays source
Inductively Coupled Plasma Mass spectrometer (model 7500cx)	Agilent Technologies		For leachate water samples analysis
Taber linear abraser (model 5750)	Taber Inc.		For abrasion
Taber H38 abradant	Taber Inc.		For abrasion
Condensation Particle Counter 3775	TSI		For counting number concentration of aerosol particles
Aerodynamic Particle Sizer 3321	TSI		For measuring the size of aerosol particles
Differential Mobility Analyzer 3081	TSI		For measuring the size of aerosol particles
Mini Particle Sampler	Ecomesure		For sampling the aerosol particles
Gilian LFS-113 Low Flow Personal Air Sampling Pump	Sensidyne		For sampling the aerosol particles