

Aerofil® 2

High density, compressible closed cell, polyethylene filler for movement joints in civil/ structural works and water retaining structures

Applications

Aerofil® 2 is designed for water retaining structures such as reservoirs, sea walls subject to thermal movement and wave action, and heavily trafficked floors such as pedestrian areas, factory flooring and elevated structures.

Aerofil 2's high compressive strength and density combined with low load transfer characteristics make it ideal for creating joints in large in-situ concrete sections without distortion from wet concrete and vibrating techniques.

Its inherent compressive strength and stiffness provides excellent resistance to water pressure so that the subsequent surface sealant is supported to prevent adhesion failure at the shoulders of the joint. The closed cell construction prevents moisture absorption.

Installation

Spot bond in position using Pak Adhesive at approximately 10-12 sq m per litre to bond to the substrate after cutting to size with a stanley knife or similar. (Full coverage 5 sq m per litre per face, 2.5 m² bonded area).

Specification Compliance

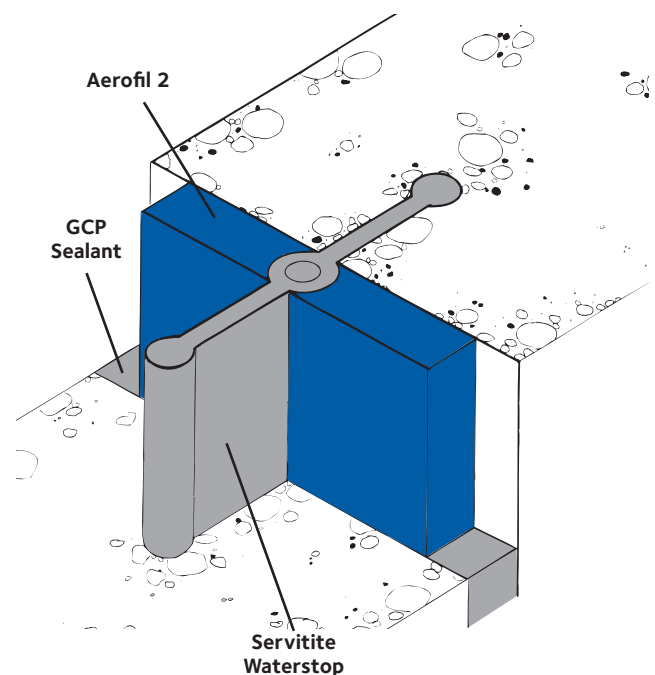
Department of Transport, Specification for Highway Works 1991, Clause 1015 (low compression for bridge expansion joints).
Scottish Office Industry Department, Welsh Office, Department of the Environment for Northern Ireland.

NBS Specification Clause

Refer to Clause E40 520.

Advantages

- **High density** - provides support for surface sealants subject to hydrostatic pressure.
- **Non-extruding** - will not be displaced by compressive loads and movement.
- **Resilient** - will not distort under load from wet concrete.
- **Deformable** - accepts movement with low load transfer.
- **Recovery** - 95% after 25% compression.
- **Closed cell** - prevents water absorption.
- **Chemically resistant** - inert to most dilute acids and alkalis, resistant to oil and hydrocarbons, rot proof



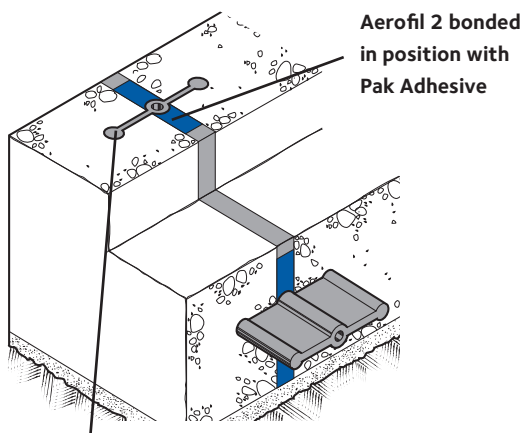
Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact GCP Technical Services.

Supply

Aerofil 2 Boards Thicknesses	0.8 m x 2.0 m (1.6 m ²) 10 mm, 20 mm, 25 mm, 50 mm
Ancillary Products Pak Adhesive	Pak Adhesive 5 litre can (full coverage approx. 5 m ² per litre - 2.5 m ² bonded area)
Complementary Materials	
Vertiseal®, Paraseal® & 2 part polysulphide sealants	

All test results shown in this data sheet are determined under laboratory conditions and with the product sample taken directly from stock in its original packing without any alteration or modification of its component parts.

Typical Slab/Wall Expansion Joint



For advice on correct waterstop and sealant choice refer to GCP Technical Services Department

Physical Properties

Property	Typical Results
Density	60 ± 10% kg/m ³
Water absorption after 24 hours	< 2%
Compressive strength @ 25% strain	165 ± 20% kN/m ²
Chemical Resistance	Inert to most dilute acids and alkalis, resistant to oil and hydrocarbons
Operating Temperatures	-40°C to +90°C

Health and Safety

There is no legal requirement for a Safety Data Sheet for Aerofil 2. For health and safety questions on these products please contact GCP Applied Technologies Products Ltd.

For Pak Adhesive and GCP Sealants read the product label and Safety Data Sheets (SDS's) before use. Users must comply with all risk and safety phrases. SDS's can be obtained from GCP Applied Technologies or from our web site at gcpat.com.

gcpat.com | Customer Service: Tel +44 (0)1753 490000 | Fax +44 (0)1753 490001

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

Aerofil is trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2016 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 62 Whittemore Avenue, Cambridge, MA 02140 USA

In the UK, Ipswich Road, Slough, Berkshire, SL1 4EQ, UK

GCP0082_0816 AEROFIL_2_UK

