

System data sheet BASWA DTG Prime Base



Description & application

The BASWA DTG Prime Base seamless acoustical system absorbs sound to reduce reverberation time in a space. The BASWA DTG system consists of BASWA DTG system panels adhered to a drywall grid substructure using an approved adhesive, a coating of microporous BASWA Prime, and a trowel-applied finish of microporous BASWA Base.

To achieve high frequency sound absorption, sound wave energy passes through the microporous finished surface, into the mineral wool backing of the BASWA DTG system panel, and is converted into heat energy. Low frequency sound absorption is achieved when sound energy vibrates the microporous finished surface diaphragmatically, transforming the sound energy into heat energy.

System Data

System characteristics Direct to grid system with uniquely consistent sound-absorption throughout the finish surface

System thickness: 30 mm

No panel perforation or seam telegraphing

Durable marble finishes

Natural white (NCS S0500-N) or tinted to any color with BASWA Colors Tint Additive

Swiss engineered components made in US

Comprehensive cleaning and maintenance plan and product line

Taper or Plasterer installed, by BASWA Network of Certified Installers

In stock and ready for immediate delivery

Finish characteristics Trowel-applied, smooth marble aggregate finish

One hand troweled coat of BASWA Prime and one trowel-applied coat of BASWA Base on BASWA DTG Panel

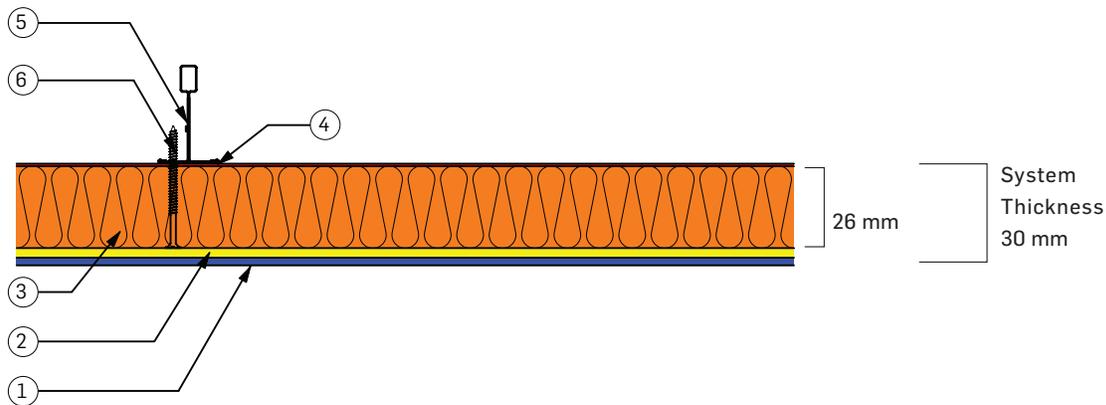
Finish coat aggregate grain diameter of 0.7 mm

Weight 30 mm 1.87 lbs/sf (9.11 kg/m²)

*Weight may vary depending on the installers application.

Maintenance For further information about the cleaning and maintenance, or repair, of BASWA acoustical plaster systems, refer to the BASWA cleaning and maintenance guidelines.

System construction



1. BASWA Base trowel-applied finish
2. BASWA Prime
3. BASWA DTG system panel
4. BASWA DTG Adhesive
5. Drywall grid assembly
6. BASWA DTG Screw

*Not depicted: BASWA Trim (used as needed)

System components	<p>BASWA DTG system panel A 26 mm (1") mineral wool panel with an airtight FRK backing.</p> <p>BASWA DTG Screw 1 5/8" phosphate-coated, fine-thread drywall screw.</p> <p>BASWA DTG Disc Stainless steel disc for mechanically fastening BASWA DTG system panels to grid.</p> <p>BASWA DTG Adhesive A silane modified polymer ASTM C557 adhesive for metal.</p> <p>BASWA Prime A recycled mineral granulate mixture, identical to BASWA DTG system panel coating.</p> <p>BASWA Base A crushed marble aggregate loose-bodied slurry.</p>
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Assembly	<p>BASWA DTG Panels are properly adhered to drywall grid subassembly and seams, trims, discs and screw heads are coated with BASWA Prime. Once dry, a coat of BASWA Prime is trowel applied. Once dry and sanded, a coat of BASWA Base is trowel applied.</p>
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Substrate	<p>Comply with applicable requirements per ASTM C645, direct hung system composed of drywall grid main beams and cross-furring drywall suspension tees that interlock.</p> <p>Framing system: Deflection criteria: L/360 per ASTM C635 standard practice for metal suspension systems. Galvanized steel: G40 double-web tee, hot dipped galvanized steel.</p> <p>Framing members: Drywall grid main beams: 6' on center 6' cross tees: 2' on center 2' cross tees: 1' on center (to create a 2'x1' grid pattern)</p> <p>NOTE: BASWA DTG panels are 2' x 4' and framing should reflect this size. Framing must be free of residue or oil finish. If framing has residue or oil finish, remove with acetone.</p> <p>Attachment devices: Size for five times the design load indicated in ASTM C635/C635M, Table 1, "Direct Hung" unless otherwise indicated. Comply with seismic design requirements, if applicable.</p> <p>Wire hangers, braces, and ties: Zinc-Coated, Carbon-steel wire: ASTM A 641/A641M, Class 1 zinc coating, soft temper. Size: Minimum 12 gage per ASTM C636</p>
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Installer requirements	<p>BASWA acoustic systems can only be installed by companies that have been trained by BASWA acoustic North America and are in possession of a BASWA acoustic certificate. BASWA acoustic only supplies to certified companies. The latest BASWA Planning Documents and installation guidelines also apply.</p>
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Install environment	<p>Follow ASTM C842 Environmental Conditions for installation. Air dry bonding characteristics.</p> <p>If ambient outdoor temperature at the building site is less than 55° F (13° C), a temperature of <80°F / >55°F (<30°C / 15°C) must be continuously maintained continuously in the area of the installation for one week prior to the application. Temporary heat should be evenly distributed to prevent concentrated uneven heat or cold on the BASWA DTG acoustic system or its substrate. Acceptable temperature range shall be maintained until the permanent HVAC system is activated.</p>
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Ventilate building spaces as required to remove excess moisture to promote drying of the applied materials. Prevent strong fluctuations in temperature and relative humidity, care must be taken to ensure that the dew point is not located on the surface or within the BASWA acoustic system. Moisture caused by condensation in the room air can cause damage to the system.

Protect contiguous work from soiling, splattering, moisture deterioration, and other harmful effects that may be caused by the application of the materials.

Installation timeline 4-5 day installation time. Assumes an installation team of 3-4 persons and a flat surface size of 850 - 1,100 sf (80–100m²).

General For further information about product coverages or product information, refer to the BASWA product data sheets.

Technical information

Acoustical absorption E Mounting ASTM C423 System with plenum. Typical installed conditions.

Thickness	NRC	SAA
30 mm	0.80	0.80

Fire rating Class A fire rated per ASTM E84

Mold and mildew Rated 10 / 10, signifying no mold growth per ASTM D 3273-16

Light reflectance Light Reflectance L Value of 89.6 per ASTM E 1477-98

VOC content ≤ 0.5 mg/m³, Passing CA Dept. of Public Health CDPH/EHLB/Standard Method Vers 1.2, 2017
 USGBC LEED Version 4, BD&C, ID&C
 The WELL Building Standard
 ANSI/GBI 01, Green Building Assessment Protocol
 ANSI/ASHRAE/USGBC/IES Standard 189.1

Thickness	λ (W / m C)	R (m ² K / W)
30 mm	0.040	0.7500

Sustainability 83.4% recycled content in complete system. Components made in US.
 LEED, WELL, and HPD documentation available.

For further information about the sustainability aspects of BASWA systems and products refer to the BASWA Sustainability data sheets.

Safety data

For further information about safety during transportation, storage and handling, and/or disposal, refer to the BASWA Safety data sheets.

Humidity / Dew point

Recommended relative humidity up to max. 70 % (project specific consultation, up to 80 %).

If there are strong fluctuations in temperature and relative humidity, care must be taken to ensure that the dew point is not located on the surface or within the BASWA System. Moisture caused by condensation in the room air can cause damage over time.

Moisture caused by condensation in the room air can cause damage. The design of the building insulation and the commissioning of air conditioning systems must be planned and controlled accordingly.

Disclaimer

The present information, and suggestions for installation and application are based on knowledge and experience in typical situations, providing that products are properly shipped, stored, handled and applied. Due to the widely varying working conditions, a guarantee for installed materials cannot be reliant either on this information. Installer must verify products are suitable for the intended application. Product specifications are subject to change without notice. All rights reserved. Changes, reprints and copies, as well as electronic, reproduction, even in excerpts, require the explicit permission from BASWA acoustic North America. Working conditions, a guarantee for installed materials cannot be reliant either on this information. Installer must verify products are suitable for the intended application. Product specifications are subject to change without notice. All rights reserved. Changes, reprints and copies, as well as electronic, reproduction, even in excerpts, require the explicit permission from BASWA acoustic North America.