

19/03/2020 H4309

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To whom it may concern,

Bostik Seal N' Flex Façade

- Product description: a one component, high performance, façade joint sealant, hybrid spur, humidity cured, , durable elastic rubber available in white, grey & black
- Product use: sealant for use specified in TDS (painted/ unpainted, interior / exterior, substrates, joints maintenance and limitations etc)

"Passed AsureQuality assessment for food / beverage / dairy factory food areas non-contact with food / food contact surfaces / process waters" H4309 with conditions. This assessment was prepared by Global Proficiency Ltd using HACCP principles to determine equivalence with food standards listed below. See

<http://assessedproducts.asurequality.com>. This supports food Risk Management Programmes & other endorsements that may apply to this product include MPI regulated farm dairy approval, MPI dairy factory endorsement, MPI regulated non-dairy animal product approvals, EPA HSNO-OSH-environment approval (& previously AQIS).

Conditions:

- Used per instructions, legislation, & GMP for food areas & cleaned against soil or fungal growth - with non-damaging cleaner. This is for non-contact with food / food contact surfaces / process water.
- The assessment is subject to notification of change and expires on 19/03/2025.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning & inclusion of assessment precautions / assessment statement / MPI dairy precautions statement.

Prepared by Global Proficiency for AsureQuality Ltd by
Bob Hutchinson PhD SENIOR DEVELOPMENT SCIENTIST



Supplier:..... Date:.....

Scope and purpose of the assessment:

- Asurequality assessment is a non-regulated, voluntary, and evidential certification by the supplier demonstrating equivalence with food safety standards, and also that product instructions address hazards for staff & equipment. The assessment is independently confirmed, without prejudice or guarantee, using information submitted by the supplier or from other sources. Confidentiality of the product formulation is maintained using coded material identifiers in the report, and appendices containing confidential information are provided only to the supplier.
- Scope: NZ checks (FSANZ, US FDA 21 CFR/ NSF, Food Chemicals Codex, EPA NZ, EU, French culinary listings or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods. Quality Manual - Assessment Procedures

Summary of assessment with risks highlighted:

- Information and prior assessments (New AsureQuality Assessment. Branz cert TO12275 19/02/2020 as above. SDS says GHS non-Hazardous).
- Food safety (per non-contact with food contact surfaces and process water. Composition (SDS says GHS non-Hazardous, main ingredients low hazard and other less safe ingredients were minor & encapsulated). Ingredient purity (n/a for non-contact). Carryover to food (nil).
- QA (N/A for non-contact).
- QC & surface hygiene & degree of water resistance per BRANZ Report & TDS also says clean with cleaners etc to be checked safe Bostik asked to add to chemical resistance for surface hygiene (says clean with cleaners etc to be checked safe e.g. are GP cleaners 2<pH<12.5 likely ok. Fungal etc resistance maybe support from formula sighted - Bostik asked about this resistance) Steam may be outside temperature ranges quoted)
- Instructions -
 - TDS (Bostic Seal N'Flex Façade lists for Advantages, Uses (substrates concrete, render, brick, plaster, fibre cement, Aluminium, fibreglass similar, painted wood, stainless steel & some plastics. Characteristics., Directions for use., Surface preparation & width-depth limits etc. Application. Limitations (cautions re sufficient humidity, glazing etc, soft plastics, stone, neoprene & bitumin), water, below grade, traffic and resealing over silicone sealant). Cleanup. Shelf-life. Disposal. Maintenance (Do not clean with materials, cleaning agents or solvents that may affect or discolour the product - e.g. bleach, cleaners, solvents, paint fumes) & Precautions).
 - SDS (Was sighted says GHS non-hazardous so no hazards or hazardous ingredients listed, no exposure limits listed and no Toxicology beyond this available). Branz cert TO12275 19/02/2020 (To be read in full but approximate summary for Bostic Seal N'Flex Façade a weather-sealing sealant for exterior use & gap filling etc. - if designed used, installed and maintained per statements and conditions of this Appraisal will meet or contribute to NZBC. Details re Clause B2 Durability clauses met. Clause E2 External Moisture met. E3 Internal Moisture met, & Hazardous Building Materials met - not a health hazard to people).
- Unwanted effects (Per SDS says GHS non-hazardous. Production side effects n/a per non-contact).
- Hygiene efficacy (Mechanical resistance per BRANZ detailed report and Bostik currently adding data re mould growth resistance)

Contents (This is a simplified report with sections 2-11 replaced by a summary on p1 and in the table in section 1)

0 Information is to be evidential (std 0).	1 Materials safety and residues etc
2 Material (other – function)	3 Quality assurance certificate
4 Purity (or Design, formulation, fabrication and finish).	5 Instructions
6 Freedom from apparent side effects	7 Efficacy or hygiene to meet food safety margins
8 Packaging safety.	9 Summary of submitted information etc
10 Standards/References - front page/may be attached	11 Contacts.
12 Confidential information re design, formulation etc.	13 Covering letter & then 14 Raw material confidential information

Risk Rating (failure/accident)

	Chemical	Microbiological
Incidence	Low	Low
Susceptibility	Low	Low
Severity	Low	Low
Total	Low	Low

Organics

For organic production when food is absent during use and residues are rinsed etc. Reference NZS8410 Organic Production section 10 Storage, transport, preparation and handling. 10.1.2 Where the premises vehicles and equipment are used solely for organic products: (a) Only those substances used in table D1 shall be used for housekeeping purposes in the presence of the product (note that product absence is already a requirement of this assessment). If other materials are used for cleaning, surfaces that could come in contact with organic products shall be flushed with potable water prior to re-entry of organic products, and any airborne substance dispersed. (b) If there are products of more than one organic status (e. g. organic and in conversion to organic), the requirements of 10.1.3 shall be followed as if the higher status organic product were in the presence of products not complying with this standard. 10.1.3 (Note that if not dedicated to organics then the plan must state how there is no non-organics inclusion including “sealing, labelling, & documentation”).

Evaluation: Note that Standards vs. submission-responses yield compliance status in each of the sections below.

Nature of information

0 Standard: Assurance information is to be evidential/cross-registered/or ex accredited bodies (and approvals may need levels of independence for toxicity and efficacy).

- Information and prior assessments (New AsureQuality Assessment. Branz cert TO12275 19/02/2020 as above. SDS says GHS non-Hazardous).

1 Standard:

Raw materials are to be identified safe: traceably identified, non-toxic, and pure - depending on the level of contact. Raw materials are to be safe at residue levels with safety factors (simplified here eg per cross-registration of USFDA 21 CFR/ ANZF/ EU etc registrations factored for likely equivalence and recognising high 1.5 L milk consumption would have been required by FDA etc – refers to supplier confidential appendix but with identifiers excluded

Response

(Bostik NZ Ltd) Bostik Seal N'Flex Façade H4309 19-03-2020.	Registrations column. Scope: NZ checks (NICNAS AICS. FSANZ, US FDA 21 & 40 CFR/ NSF, Food Chemicals Codex, EPA NZ, EU, French culinary listings, WHO or MPI, or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods. Quality Manual - Assessment Procedures	Purity column raw purities to be per FSANZ purity wanted (as ingredient etc) FCC7 2010-2011 with GMP indicators & FSANZ also (require Pb<2, As<1, Heavy metals <40 mg/kg). Purity column.
HACCP vs Instruction summary	TDS (Bostik Seal N'Flex Façade lists for Advantages, Uses (substrates concrete, render, brick, plaster, fibre cement, Aluminium, fibreglass similar, painted wood, stainless steel & some plastics. Characteristics., Directions for use., Surface preparation & width-depth limits etc. Application. Limitations (cautions re sufficient humidity. glazing etc, soft plastics, stone, neoprene & bitumin), water, below grade, traffic and resealing over silicone sealant). Cleanup. Shelf-life. Disposal. Maintenance (Do not clean with materials, cleaning agents or solvents that may affect or discolour the product - e.g. bleach, cleaners, solvents, paint fumes) & Precautions).	SDS (Was sighted says GHS non-hazardous so no hazards or hazardous ingredients listed, no exposure limits listed and no Toxicology beyond this available). Branz cert TO12275 19/02/2020 (To be read in full but approximate summary for Bostik Seal N'Flex Façade a weather-sealing sealant for exterior use & gap filling etc. - if designed used, installed and maintained per statements and conditions of this Appraisal will meet or contribute to NZBC. Details re Clause B2 Durability clauses met. Clause E2 External Moisture met. E3 Internal Moisture met, & Hazardous Building Materials met - not a health hazard to people).
HACCP - Coatings standard (dated)	Coatings Standard for non-contact application (per previous MQM1 Approvals Manual lists): Monitor and advise any unsatisfactory performance (to authors). Clean-ability: able to be adequately cleaned by normal procedures (for that area of the premises) without damage to the surface. Free from cracks, crevices and have no soil collection areas. Resistant to water and water vapour. Resistant (including sheet wallboard jointers) with a	Resistant to chemicals (to 10% Sodium hydroxide, nitric acid, phosphoric acid, sulphuric acid, iodophors, QAC, etc. Toxicity: does not release toxic material under finished use conditions. Durability to (chipping, flaking, or delamination. (Normal) heat and water, Machinery vibration. And regular cleaning and sanitising. Resistant to impact, to thermal shock

	low rate of moisture movement. Resistant to foods e.g. milk, cream, milk fat, whey, lactic acid, etc.	etc. (including jointers to NZDRI criteria +/- 5mm or if climate controlled +/- 2mm). Accounting for combinations of dry/wet, hot/cold, and severe conditions. Additional general assessment checks
HACCP analysis of other aspects	Information and prior assessments (New AsureQuality Assessment. Branz cert TO12275 19/02/2020 as above. SDS says GHS non-Hazardous). Food safety (per non-contact with food contact surfaces and process water. Composition (SDS says GHS non-Hazardous, main ingredients low hazard and other less safe ingredients were minor & encapsulated). Ingredient purity (n/a for non-contact). Carryover to food (nil). QA (N/A for non-contact). QC & surface hygiene & degree of water resistance per BRANZ Report & TDS also says clean with cleaners etc to be checked safe Bostik asked to add to chemical resistance for surface hygiene (says clean with cleaners etc to be checked safe e.g. are GP cleaners 2<pH<12.5 likely ok. Fungal etc resistance maybe support from formula sighted - Bostik asked about this resistance) Steam may be outside temperature ranges quoted)	Unwanted effects (Per SDS says GHS non-hazardous. Production side effects n/a per non-contact). Hygiene efficacy (Mechanical resistance per BRANZ detailed report and Bostik currently adding data re mould growth resistance)
Bostik resistance data to help cleaning	ACETON NOT RECOMMENDED, METHANOL SUITABLE, ETHANOL SUITABLE, XYLENE SUITABLE, WHITE SPIRIT (without aromatics) SUITABLE, DIESEL SUITABLE, UNLEADED FUEL SUITABLE, MINERAL OIL SUITABLE, DEICING SOLUTION POSSIBLE, CHLORHYDRIC ACID 10% NOT RECOMMENDED,	SULFURIC ACID 10% NOT RECOMMENDED, PHOSPHORIC ACID 10% SUITABLE, ACETIC ACID 10% NOT RECOMMENDED, SODIUM HYDROXYDE 10% NOT RECOMMENDED, AMMONIA 10% NOT RECOMMENDED, BLEACH 2,6% active chlorine SUITABLE HYDROGEN PEROXYDE 10 vol SUITABLE
Micro control is by cleaning/sanitiser and pH expected inside growth ranges for sealant	pH growth ranges: B cereus 4.4-9.3, Campylobacter jejuni 4.9-9.0, C botulinum A & B 4.8-8.5 type E 5-8.5, C perfringens 5-8.9, Listeria monocytogenes 4.5-8.0, Salmonella 3.8-9,	Staph aureus 4.3-9.0, vibrio cholerae 6-11, vibrio parahaemolyticus 4.8-9, vibrio vulnificus 5-10, Yersinia enterocolitica 4.4-9.6

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- **12 The formulation in confidence follows & is not for public circulation**

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Hamilton

Dear Michele Freeman,

Please find 1st our cover letter copied to our accountant for invoice & payment before release of the full report to the new client. 2nd Please find attached your assessment report for any questions or suggestions and the web listing should follow after.

Bostik Seal N' Flex Façade

- Product description: a one component, high performance, façade joint sealant, hybrid spur, humidity cured, , durable elastic rubber available in white, grey & black
- Product use: sealant for use specified in TDS (painted/ unpainted, interior / exterior, substrates, joints maintenance and limitations etc.)
- Status - passed new AsureQuality assessment & invoice and release full report on payment. Cost 2:15 hours / \$360 + GST increase from \$320. P/O -, 19/03/2020 ex12/03/2020. Bostik info reply on cleaners was brief & added here. There was not an inhibitor as such & no reply on expected growth resistance yet but expected - so meanwhile says "cleaned against soil or fungal growth" (use caution for cool-rooms).

"Passed AsureQuality assessment for food / beverage / dairy factory food areas non-contact with food / food contact surfaces / process waters" H4309 with conditions. This assessment was prepared by Global Proficiency Ltd using HACCP principles to determine equivalence with food standards listed below. See <http://assessedproducts.asurequality.com>. This supports food Risk Management Programmes & other endorsements that may apply to this product include MPI regulated farm dairy approval, MPI dairy factory endorsement, MPI regulated non-dairy animal product approvals, EPA HSNO-OSH-environment approval (& previously AQIS).

Conditions:

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- The full report is attached for supplier review and verification. The assessment is activated by countersigning & inclusion of assessment precautions / assessment statement / MPI dairy precautions statement.

Prepared by Global Proficiency for AsureQuality Ltd by

