

**Awarding of licence for the use of EMICODE**

Licence Number: 6784/19.02.10  
For the product QMS011 Zwaluw High Tack  
Of company Den Braven Benelux B.V.  
Due to application date March 10, 2016

With reference to the classification in accordance with the directives as stipulated  
in § 10 of the GEV trademark constitution

on behalf of the GEV for the above mentioned product as per § 5, section 4 of the  
GEV trademark constitution is awarded the licence for the use of the GEV  
trademark



This product meets with the guidelines for the criteria of use listed reverse.  
The company is ordinary member of the GEV.

**OM 064      March 10, 2016**  
valid until March 10, 2021

The Secretary General  
Association for the Control of Emissions in Products  
for Flooring Installation, Adhesives and Building Materials (GEV)  
Völklinger Straße 4 · D-40219 Düsseldorf

## Requirement guidelines for the awarding of the EMICODE licence

The flooring installation material mentioned in the front side licence has to meet with the following criteria in accordance with the constitution and guidelines of the Technical Advisory Board of the GEV and others:

- The product meets all the legal requirements, especially the chemical law and its specifications.
- The product is solvent free due to occupational health. Only in case of a wood flooring coating it might contain low content of solvents.
- A safety data sheet (MSDS) according to local law in its respectively valid version is to be established for the product.
- Carcinogenic, mutagenic, reprotoxic substances as well as those substances under suspicion to cause such defects are not permitted to be used in the manufacturing of this product.
- The testing of the product is in accordance with the defined GEV test method. Afterwards the definition of VOC is conducted in a test chamber by using the Tenax thermodesorption procedures with GC/MS analysis.
- The classification into the EMICODE classes is performed according to the following listed and described criteria and TVOC concentration groups. For product labelling the matching EMICODE class is to be used.

| GEV product matrix  | EMICODE   |   |  |
|---|---|---|--|
|   | EC 1 <sup>PLUS</sup>  | EC 1  | EC 2   |
|   | TVOC/TSVOC <sub>28d</sub> in µg/m <sup>3</sup>  |   |  |
| <b>1. Liquid products</b>   | After 3 days<br><br>≤ 750 TVOC;<br><br>after 28 days<br><br>≤ 60 TVOC /<br>≤ 40 TSVOC | After 3 days<br><br>≤ 1000 TVOC;<br><br>after 28 days<br><br>< 100 TVOC /<br>≤ 50 TSVOC | After 3 days<br><br>≤ 3000 TVOC;<br><br>after 28 days<br><br>≤ 300 TVOC /<br>≤ 100 TSVOC |
| 1.1 Primers (floor and wall)  |   |   |  |
| 1.2 Ready to use thin fixations and adhesives   |   |   |  |
| 1.3 Damp proof primers or barrier primers   |   |   |  |
| 1.4 Liquid sealants, pasty surface sealants   |   |   |  |
| <b>2. Mineral products</b>  |   |   |  |
| 2.1 Cement and calcium sulphate based levelling compounds   |   |   |  |
| 2.2 Cement based and other mineral tile mortars and joint fillers   |   |   |  |
| 2.3 Waterproofing slurries  |   |   |  |
| 2.4 Screeds and screed binding materials  |   |   |  |
| <b>3. Pasty products with high content of organic binder</b>  |   |   |  |
| 3.1 Pasty adhesives for floor coverings and parquet, ready-to-use adhesive for ceramic tiles, other adhesives |   |   |  |
| 3.2 Pasty fixations for floor coverings   |   |   |  |
| 3.3 Levelling compounds (based on dispersion or reactive resin)   |   |   |  |
| 3.4 Powder based adhesives with high content of organic binder  |   |   |  |
| <b>4. Ready to use products which do not require chemical curing or physical drying</b>                       |   |   |  |
| 4.1 Underlays   |   |   |  |
| 4.2 Insulating underlays  |   |   |  |
| 4.3 Self-adhesive tapes and underlays   |   |   |  |
| 4.4 Installation boards, decoupling/insulation boards, wall panels  |   |   |  |
| <b>5. Joint sealants, joint insulations, joint sealing tapes</b>  |   |   |  |
| 5.1 Joint sealants (based on dispersion or reactive resins), repair fillers                                   |   |   |  |
| 5.2 Joint insulations, expanding foams  |   |   |  |
| 5.3 Pre-compressed or foam plastic joint sealing tapes  |   |   |  |
| 5.4 Sealing membranes, tapes, sleeves for small surfaces  |   |   |  |
| 5.5 Sealing membranes for large surfaces  |   |   |  |
| <b>6. Surface coating for wood floorings</b>  | ≤ 100<br>Σ TVVOC,<br>TVOC, TSVOC<br>thereof max.<br>40 SVOC                           | ≤ 150<br>Σ TVVOC,<br>TVOC, TSVOC<br>thereof max.<br>50 SVOC                             | ≤ 450<br>Σ TVVOC,<br>TVOC, TSVOC<br>thereof max.<br>100 SVOC                             |
| 6.1 Waterborne wood floor coatings  | After 3 days<br>≤ 750 TVOC;<br>after 28 days<br>≤ 60 TVOC /<br>≤ 40 TSVOC             | After 3 days<br>≤ 1000 TVOC;<br>after 28 days<br>≤ 100 TVOC /<br>≤ 50 TSVOC             | After 3 days<br>≤ 3000 TVOC;<br>after 28 days<br>≤ 300 TVOC /<br>≤ 100 TSVOC             |
| 6.2 Water-based joint filler for parquet  | After 3 days<br>≤ 750 TVOC;<br>after 28 days<br>≤ 60 TVOC /<br>≤ 40 TSVOC             | After 3 days<br>≤ 1000 TVOC;<br>after 28 days<br>≤ 100 TVOC /<br>≤ 50 TSVOC             | After 3 days<br>≤ 3000 TVOC;<br>after 28 days<br>≤ 300 TVOC /<br>≤ 100 TSVOC             |



## EMISSION CLASSIFICATION OF BUILDING MATERIALS

### **Bostik Benelux B.V.**

The classification working group set up by the Building Information Foundation RTS sr has approved the following product:

### **ZWALUW HIGH TACK**

as belonging to emission class M1 for building materials.

The classification is valid until March 20, 2022.

Bostik Benelux B.V. has the right to equip its classified products with the classification mark and to use this classification mark when marketing these products.

The decision is in line with the requirements laid down in the Classification of Indoor Climate 2018 and the Classification of Building Materials: General Instructions.

THE BUILDING INFORMATION FOUNDATION RTS sr

Markku Hedman  
Director General

Arja Valtanen  
Secretary of the Classification  
Working Group