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August 18, 2014

## **MasterSeal® NP100**

### **Product Information Statement for LEED® v. 4 Credit Documentation**

MasterSeal® NP100 is a single component non-sag polyurethane joint sealant for use either interior or exterior.

BASF Corporation certifies the following information for MasterSeal® NP100:

#### **MR Credit Building Product Disclosure and Optimization—Environmental Product Declarations**

An Environmental Product Declaration (EPD) is not available for MasterSeal® NP100.

#### **MR Credit Building Product Disclosure and Optimization—Sourcing of Raw Materials**

Raw Material Source and Extraction Reporting is not available for MasterSeal® NP100.

Recycled and Bio-based materials are not used in the manufacture of MasterSeal® NP100.

#### **MR Credit Building Product Disclosure and Optimization—Material Ingredients**

Material Ingredient Reporting is not available for MasterSeal® NP100.

Health Product Declaration and Cradle-to-Cradle Reporting is not available for MasterSeal® NP100.

#### **EQ Credit Low-Emitting Materials**

*MasterSeal® NP100 has a VOC (Volatile Organic Compound) content of 29 g/L which satisfies the VOC content requirements of this credit for interior use.*

MasterSeal® NP 100 has been tested for emissions and determined to be compliant in accordance with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 for school classroom, private office, and single family residence scenarios. Third party verification is available upon request.

Respectfully,  
LEED Administrator  
BASF Corporation  
Tel: 800-243-6739



"LEED" is a trademark of the  
U.S. Green Building Council

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# COMPLIANCE TESTED by berkeley analytical

## VOC Emission Test Certificate

**Product Name: MasterSeal NP 100**

Product Sample Information		Certificate Information	
Manufacturer:	BASF SE	Certificate No:	140801-02
Manf. Website:	Not available	Certified By:	
CSI Category & No.:	Joint Sealants (07 92 00)		Raja S. Tannous, Laboratory Director
Date Produced:	5/29/2014	Date:	August 1, 2014

**Reference Standard:** California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (Emission testing method for CA Specification 01350)

### Acceptance Criteria and Results Demonstrating Compliance of Product Sample to Referenced Standard:

Exposure Scenario <sup>1</sup>	Individual VOCs of Concern <sup>2</sup>		Formaldehyde <sup>3</sup>		TVOC <sup>4</sup>
	Criterion	Compliant?	Criterion	Compliant?	Range
School Classroom	≤½ Chronic REL	YES	≤9.0 µg/m <sup>3</sup>	YES	≥ 5.0 mg/m <sup>3</sup>
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m <sup>3</sup>	YES	≥ 5.0 mg/m <sup>3</sup>
Single Family Residence	≤½ Chronic REL	YES	≤9.0 µg/m <sup>3</sup>	YES	≥ 5.0 mg/m <sup>3</sup>

1. Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.1-2010)
2. Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (*ibid.*)
3. Maximum allowable formaldehyde concentration is ≤9 µg/m<sup>3</sup>, effective Jan 1, 2012; previous limit was ≤16.5 µg/m<sup>3</sup> (*ibid.*)
4. Informative only; predicted TVOC Range in three categories, i.e., ≤0.5 mg/m<sup>3</sup>, >0.5 – 4.9 mg/m<sup>3</sup>, and ≥5.0 mg/m<sup>3</sup>

### Standards & Codes Recognizing CDPH Standard Method V1.1 (partial list)

- USGBC LEED CI, NC, Schools, Healthcare, 2009
- USGBC LEED Version 4, BD&C, ID&C, 2013
- Collaborative for High Performance Schools (CHPS), National Core Criteria, 2013
- Green Guide for Healthcare, V2.2, 2007
- ANSI/GBI 01-2010, Green Building Assessment Protocol

**Narrative:** BASF SE selected a sample representative of its MasterSeal NP 100 product and submitted it for testing commencing on 7/11/2014. Berkeley Analytical measured and evaluated the emissions of VOCs from this sample following CDPH/EHLB/Standard Method V1.1-2010. The results of the test are presented in Berkeley Analytical report, 403-004-01A-Aug0114.

**Berkeley Analytical** is an independent, third-party laboratory specializing in the analysis of organic chemicals emitted by and contained in building products, finishes, furniture, and consumer products. We are an ISO/IEC 17025 accredited laboratory (IAS, [TL-383](#)); all standards used in performing this test are in Berkeley Analytical's scope of accreditation.

**DISCLAIMER:** THIS CERTIFICATE OF COMPLIANCE AFFIRMS THAT: 1) A SAMPLE OF THE LISTED PRODUCT WAS TESTED ACCORDING TO THE REFERENCED STANDARD; 2) THE MEASURED VOC EMISSIONS FROM THE SAMPLE WERE EVALUATED FOR THE DEFINED EXPOSURE SCENARIO(S); AND 3) THE RESULTS MEET THE ACCEPTANCE CRITERIA OF THE REFERENCED STANDARD(S). BERKELEY ANALYTICAL IS NOT RESPONSIBLE FOR ANY CLAIMS REGARDING A PRODUCT OR PRODUCTS ENTERED INTO COMMERCE THAT MAY BE BASED ON THIS TEST. BERKELEY ANALYTICAL PROVIDES THIS CERTIFICATE OF COMPLIANCE "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE.