

Technical Compliance Statement

The Well Building Standard

Date: September 2017

Summary: Based on the information below AkzoNobel Decorative Paints declares compliance with The Well Building Standard 'Air 04 – Part 1' Q2 2017, 'Air 11 – Part 1' Q2 2017, 'Air 25 – Part 4' Q2 2017 for all products sold under the brands Dulux Trade, Armstead Trade, Cuprinol, Sikkens and Hammerite (excludes Polycell and Polycell Trade). Products These AkzoNobel products can also be used to comply with 'Air 01 – Part 1' Q2 2017, 'Light 59 – Part 1' Q2 2017 and 'Light 64 – Part 3 Q2 2017.

Background: The Well Building Standard promotes the concept that health and wellbeing of individuals should be the central focus that guides the design and development of the built environment. In order to recognize and encourage a healthy internal environment, the Well Building Standard requires the use of low VOC products and intelligent use of colour. The sections of the Well Standard that are relevant to paints and coatings are listed below with guidelines on how to comply.

The level of achievement is driven by preconditions that must be achieved, and optimizations. If all preconditions are achieved, but no optimizations, a Silver Certification is possible. If all preconditions and 40% of optimizations are achieved, a Gold Certification is possible. If all preconditions and 80% of optimizations are achieved, a Platinum Certification is possible.

Air 01 – Air Quality Standards Part 1: Standards for Volatile Substances

In order to meet the permitted levels of total volatile organic compounds, measured through on-site performance testing, we recommend that water-based paints with minimal or low levels of VOCs are used. All AkzoNobel paints for wall and ceiling surfaces are minimal or low VOC. For trim surfaces such as wood and metalwork we recommend using water-based products such as Dulux Trade Quick Dry Undercoat, Quick Dry Gloss and Quick Dry Satinwood, and avoiding solvent-based paints. The VOC level of Dulux Trade products can be found on the technical data sheet, by contacting the Dulux Technical Advice Centre or via your local Specifier Development Manager.

Air 01 is a precondition and must therefore be met in order to obtain any certification

Air 04 – VOC Reduction Part 1: Interior Paints and Coatings

All paint and varnish products manufactured by AkzoNobel Decorative Paints including products sold under the brands Dulux Trade, Armstead Trade, Cuprinol, Sikkens and Hammerite conform to the VOC content limits in Phase 2 of 2004/42/CE the European Decopaint Directive. This is as per the requirements of Air 04 part 1: c) Applicable national VOC content regulations or conduct testing of VOC content in accordance

with ASTM D2369-10; ISO 11890, part 1; ASTM D6886-03; or ISO 11890-2.

However, in the spirit of reducing VOCs, as with 'Air 01' the best practice is to use water-based paints for wood and metalwork such as Dulux Trade Quick Dry Undercoat, Quick Dry Gloss and Quick Dry Satinwood, and avoid use of solvent-based paints.

Air 04 is a precondition and must therefore be met in order to obtain any certification

Air 11 – Fundamental Material Safety Part 1: Asbestos and Lead Restriction

AkzoNobel decorative paints products meet the materials compositions requirements restricting the use of asbestos and lead for newly installed building materials listed in Air 11 – Part 1 a-c requirement as they do not contain any lead. AkzoNobel has been a partner in the United Nations Environmental Program (UNEP) Global Alliance to Eliminate Lead Paint (GAELP) since 2015. We continue to support the development of legislation to phase out the use of lead compounds from all paints.

Air 11 is a precondition and must therefore be met in order to obtain any certification

Air 25 – Toxic Material Reduction Part 4: Isocyanate-based polyurethane limitation

All of AkzoNobel decorative paints UK paints for interior use meet this requirement as they do not contain any isocyanate-based polyurethanes.

Air 25 is an optimization and is therefore not required in order to meet Silver Certification

Light 59 – Surface Design Part 1: Working and Learning are surface reflectivity

The Well Building Standard requires that colours used on ceilings have an average LRV of 0.8 (80%) or more for at least 80% of surface area in regularly occupied spaces. Similarly colours used on walls must have an average LRV of 0.7 (70%) or more for at least 50% of surface areas that are directly visible from regularly occupied spaces.

The LRV of Dulux Trade Colour Palette colours can easily be identified from the unique coding system which is made up of three segments each reflecting an element of how we see colour.

30BB 08 / 263
HUE LRV CHROMA

In this example, the 08 LRV measure means this specific colour has an LRV of only 8% and is therefore a very dark colour that does not comply with Well Standard requirements. Look for colours with LRVs of 80 or more for ceilings and 70 or more for walls.

Light 59 is an optimization and is therefore not required in order to meet Silver Certification

Light 64 – Interior Fitness Circulation Part 3: Facilitative Aesthetics

To reduce sedentary behaviour, the aim of this section is to encourage intermittent bouts of physical activity and reduce sedentary behavior by making stairs, entryways, and corridors visually appealing. The requirement is consequently that in projects of 2 to 4 floors, both common stairs and paths of frequent travel display elements of aesthetic appeal by incorporating at least 2 of the following:

- a. Artwork, including **decorative painting**.
- b. Music.
- c. Daylighting using windows or skylights of at least 1 m² [10.8 ft²] in size.
- d. View windows to the outdoors or building interior.
- e. Light levels of at least 215 lux [20 fc] when the stairs are in use.

Light 64 is a precondition for both ‘shell and core’, and ‘new and existing buildings’ projects, but an optimization for ‘new and existing interiors’ projects.

Signed on behalf of AkzoNobel (Decorative Paints):



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