

COMMISSION DECISION

of 13 August 2008

establishing the ecological criteria for the award of the Community eco-label to indoor paints and varnishes

(notified under document number C(2008) 4453)

(Text with EEA relevance)

(2009/544/EC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

(6) Decision 2002/739/EC should therefore be replaced.

Having regard to the Treaty establishing the European Community,

(7) The ecological criteria, as well as the related assessment and verification requirements, should be valid until four years from the date of notification of this Decision.

Having regard to Regulation (EC) No 1980/2000 of the European Parliament and of the Council of 17 July 2000 on a revised Community eco-label award scheme⁽¹⁾, and in particular the second subparagraph of Article 6(1) thereof,

(8) A transitional period should be allowed for producers whose products have been awarded the eco-label for indoor paints and varnishes before 18 August 2008 or who have applied for such an award before 18 August 2008 so that they have sufficient time to adapt their products to comply with the revised criteria and requirements. For the sake of legal certainty, until 28 February 2009 producers should be allowed to submit applications set out under the criteria set in Decision 2002/739/EC or set out under the criteria set in this Decision. After this date only the criteria set out in this Decision should apply.

Whereas:

(1) Under Regulation (EC) No 1980/2000 the Community eco-label may be awarded to a product possessing characteristics which enable it to contribute significantly to improvements in relation to key environmental aspects.

(9) Measures provided for in this Decision are in accordance with the opinion of the Committee instituted by Article 17 of Regulation (EC) No 1980/2000,

(2) Regulation (EC) No 1980/2000 provides that specific eco-label criteria, drawn up on the basis of the criteria drafted by the European Union Eco-Labeling Board, are to be established according to product groups.

HAS ADOPTED THIS DECISION:

(3) It also provides that the review of the eco-label criteria, as well as of the assessment and verification requirements related to those criteria, is to take place in due time before the end of the period of validity of the criteria specified for the product group concerned.

Article 1

1. The product group 'indoor paints and varnishes' shall comprise indoor decorative paints and varnishes, woodstains and related products, as defined in paragraph 2, intended for use by do-it-yourself and professional users and primarily developed for indoor use and marketed as such.

(4) Pursuant to Regulation (EC) No 1980/2000, a timely review has been carried out of the ecological criteria, as well as of the related assessment and verification requirements established by Commission Decision 2002/739/EC of 3 September 2002 establishing revised ecological criteria for the award of the Community eco-label to indoor paints and varnishes and amending Decision 1999/10/EC⁽²⁾. Those ecological criteria and the related assessment and verification requirements are valid until 28 February 2009.

This includes, inter alia, floor coatings and floor paints; products which are tinted by distributors at the request of amateur or professional decorators; tinting systems; decorative paints in liquid or paste formulas which may have been pre-conditioned, tinted or prepared by the manufacturer to meet consumers needs, including primers and undercoats of such product systems.

(5) In the light of this review, it is appropriate, in order to take account of scientific and market developments, to modify the definition of the product group and to establish new ecological criteria.

2. 'Paint' means a pigmented coating material, in liquid or in paste or powder form, which when applied to a substrate, forms an opaque film having protective, decorative or specific technical properties.

'Varnish' means a clear coating material which when applied to a substrate forms a solid transparent film having protective, decorative or specific technical properties.

⁽¹⁾ OJ L 237, 21.9.2000, p. 1.⁽²⁾ L 236, 4.9.2002, p. 4.

'Decorative paints and varnishes' means paints and varnishes that are applied to buildings, their trim and fittings, for decorative and protective purposes. They are applied in-situ. While their main function is decorative in nature, they also have a protective role.

'Woodstains' (lasures) means coatings producing a transparent or semi-transparent film for decoration and protection of wood against weathering, which enables maintenance to be carried out easily.

'Tinting systems' is a method of preparing coloured paints by mixing a 'base' with coloured tints.

3. The product group shall not comprise:

- (a) anti-corrosion coatings;
- (b) anti-fouling coatings;
- (c) wood preservation products;
- (d) coatings for particular industrial and professional uses, including heavy-duty coatings;
- (e) facade coatings;
- (f) any product primarily developed for outdoor use and marketed as such.

Article 2

1. In order to be awarded the Community eco-label under Regulation (EC) No 1980/2000 and subject to paragraphs 2 and 3 of this Article, paints and varnishes must fall within the product group 'indoor paints and varnishes' as defined in Article 1, and must comply with the ecological criteria set out in the Annex to this Decision.

2. Two-pack reactive performance coatings for specific end uses shall comply with the following conditions:

- (a) both components thereof must individually comply with the ecological criteria set out in the Annex (with the exception of the criterion for Volatile Organic Compounds);
- (b) they must be accompanied by information explaining that the individual components must not be used separately or mixed with other products;
- (c) the final ready-for-use product, however, must also meet the ecological criteria, including the criterion for VOC.

3. Coatings marketed for both indoor and outdoor use must satisfy both the criteria set out in this Decision for indoor paints and varnishes and the criteria set out in Commission Decision (2009/543/EC) ⁽¹⁾ for outdoor paints and varnishes.

Article 3

The ecological criteria for the product group 'indoor paints and varnishes', as well as the related assessment and verification requirements, shall be valid until four years as from the date of entry into force of this decision.

Article 4

For administrative purposes the code number assigned to the product group 'indoor paints and varnishes' shall be '07'.

Article 5

Decision 2002/739/EC is repealed.

Article 6

1. Ecolabels awarded before 18 August 2008 in respect of products falling within the product group 'indoor paints and varnishes' may continue to be used until 28 February 2009.

2. Where applications have been submitted before 18 August 2008 for the award of the Ecolabel in respect of products falling within the product group 'indoor paints and varnishes', those products shall be awarded the eco-label under the conditions laid down in Decision 2002/739/EC. In such cases, the eco-label may be used until 28 February 2009.

3. Applications which are submitted after 18 August 2008 but before 1 March 2009 for the award of the eco-label in respect of products falling within the product group 'indoor paints and varnishes' may be based either on the criteria set out in Decision 2002/739/EC or on the criteria set out in this Decision.

Where the application is based on the criteria set out in Decision 2002/739/EC, the eco-label may be used until 28 February 2009.

Article 7

This Decision is addressed to the Member States.

Done at Brussels, 13 August 2008.

For the Commission

Olli REHN

Member of the Commission

⁽¹⁾ See page 27 of this Official Journal.

ANNEX

A. FRAMEWORK

The aims of the criteria

These criteria aim in particular at:

- the efficient use of the product and the minimisation of waste,
- reducing the environmental and other risks (such as tropospheric ozone) by reducing solvent emissions,
- reducing the discharges of toxic or otherwise polluting substances into waters. The criteria are set at levels that promote the labelling of interior paints and varnishes which have a lower environmental impact.

Assessment and verification requirements

The specific assessment and verification requirements are indicated within each criterion.

Where the applicant is required to provide declarations, documentation, analyses, test reports, or other evidence to show compliance with the criteria, it is understood that these may originate from the applicant and/or his supplier(s) and/or their supplier(s), etc., as appropriate.

Where appropriate, test methods other than those indicated for each criterion may be used if their equivalence is accepted by the competent body assessing the application.

Where appropriate, competent bodies may require supporting documentation and may carry out independent verifications.

The competent bodies are recommended to take into account the implementation of recognised environmental management schemes, such as EMAS or EN ISO14001, when assessing applications and monitoring compliance with the criteria (*Note*: it is not required to implement such management schemes).

Where ingredients are referred to in the criteria, this includes substances and preparations. The definitions of 'substances' and 'preparations' are given in the REACH Regulation (Regulation (EC) No 1907/2006 of the European Parliament and of the Council ⁽¹⁾).

The exact formulation of the product should be provided to the competent body for all ingoing substances that are used by the applicant. Any substance, including impurities, present in concentrations greater than 0,01 % (m/m) should be reported unless a lower concentration is specified elsewhere in the criteria.

B. ECOLOGICAL CRITERIA

All criteria except criterion 3 concerning VOC limits shall apply to the paint or varnish in its packaging. In line with Directive 2004/42/EC of the European Parliament and of the Council ⁽²⁾ the VOC limits relate to the ready to use product and so the maximum VOC content should be calculated based on any recommended additions such as colorants and/or thinners. For this calculation, data supplied by the raw material suppliers regarding solids content, VOC content and product density will be required.

Criteria 1 and 2 apply only to white and light-coloured paints (including finishes, primers, undercoats and/or intermediates).

For tinting systems, criteria 1 and 2 apply only to the white base (the base containing the most TiO₂). In cases where the white base is unable to achieve the requirement of at least 8 m² per litre at a hiding power of 98 % according to criterion 7(a), the criteria shall be met after tinting to produce the standard colour RAL 9010.

Criteria 1 and 2 do not apply to transparent coatings.

⁽¹⁾ OJ L 396, 30.12.2006, p. 1.

⁽²⁾ OJ L 143, 30.4.2004, p. 87.

1. White pigments

White pigment content (white inorganic pigments with a refractive index higher than 1,8): Paints shall have a white pigment content lower or equal to 36 g per m² of dry film, with 98 % opacity. This requirement does not apply to varnishes and woodstains.

Assessment and verification: The applicant shall either provide a declaration of non-use or provide documentation showing the content of white pigments and the spreading rate, together with the detailed calculation showing compliance with this criterion.

2. Titanium dioxide

Titanium dioxide: The emissions and discharges of wastes from the production of any titanium dioxide pigment used shall not exceed the following (as derived from the Reference Document on Best Available Technology for the Manufacture of Large Volume Inorganic Chemicals (BREF) (August 2007)):

- SO_x emissions (expressed as SO₂): 252 mg per m² of dry film (98 % opacity),
- sulphate wastes: 18 g per m² of dry film (98 % opacity),
- chloride wastes: 3,7, 6,4 and 11,9 g per m² of dry film (98 % opacity) respectively, for natural rutile, synthetic rutile and slag ores.

Assessment and verification: The applicant shall either provide a declaration of non-use or provide the supporting documentation indicating the respective levels of emissions and discharges of wastes for these parameters, the titanium dioxide content of the product, the spreading rate, together with the detailed calculations showing compliance with this criterion.

3. Volatile organic compounds (VOC)

VOC content shall not exceed:

Product Classification (Directive 2004/42/EC)	VOC limits (g/l including water)
Interior Matt (walls/ceiling) (Gloss < 25@60 °)	15
Interior glossy (walls/ceiling) (Gloss > 25@60 °)	60
Interior trim and cladding paints for wood and metal including undercoats	90
Interior trim varnishes and wood-stains, including opaque woodstains	75
Interior minimum build woodstains	75
Primers	15
Binding Primers	15
1 Pack performance coatings	100
Two-pack reactive performance coatings for specific end use such as floors	100
Decorative effect coatings	90

In this context volatile organic compounds (VOC) means any organic compounds having an initial boiling point less than or equal to 250 °C measured at a standard pressure of 101,3 kPa as defined in Directive 2004/42/EC. The subcategories for paints and varnishes of the Directive are used for defining VOC limits. Only the categories relevant to indoor coatings are displayed here.

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion. For all products the applicant shall indicate the VOC content.

4. Volatile aromatic hydrocarbons (VAH)

Volatile aromatic hydrocarbons shall not be directly added to the product before or during tinting (where applicable); however ingredients containing VAH may be added up to such a limit that the VAH content in the end product will not exceed 0,1 % (m/m).

In this context volatile aromatic hydrocarbon (VAH) means any organic compound, as defined in Directive 2004/42/EC, having an initial boiling point less than or equal to 250 °C measured at a standard pressure of 101,3 kPa and having at least one aromatic nucleus in its developed structural formula.

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion stating that VAH has not been added other than in prefabricated ingredients and where applicable declarations from the suppliers of the ingredient confirming their VAH content.

5. Heavy metals

The following **heavy metals** or their compounds shall not be used as an ingredient of the product or tint (if applicable) (whether as a substance or as part of any preparation used): cadmium, lead, chromium VI, mercury, arsenic, barium (excluding barium sulphate), selenium, antimony.

Cobalt shall also not be added as an ingredient with the exception of cobalt salts used as a siccativ in alkyd paints. These may be used up to a concentration not exceeding 0,05 % (m/m) in the end product, measured as cobalt metal. Cobalt in pigments is also exempted from this requirement.

It is accepted that ingredients may contain traces of these metals up to 0,01 % (m/m) deriving from impurities in the raw materials.

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion as well as declarations from ingredient suppliers (where applicable).

6. Dangerous substances

(a) **The product:** The product shall not be classified as very toxic, toxic, dangerous to the environment, carcinogenic, toxic for reproduction, harmful, corrosive, mutagenic or irritant (only where this is caused by the presence of ingredients labelled with R43) in accordance with Directive 1999/45/EC of the European Parliament and of the Council ⁽³⁾ before or after tinting (where applicable).

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion, together with a product material safety data sheet meeting the requirements of Annex II to the REACH Regulation.

(b) **Ingredients (very toxic, toxic, carcinogenic, mutagenic, toxic for reproduction):** No ingredient including those used in tinting (if applicable) shall be used that at the time of application fulfil the classification criteria of any of the following risk phrases (or combinations thereof):

- R23 (toxic by inhalation),
- R24 (toxic in contact with skin),
- R25 (toxic if swallowed),
- R26 (very toxic by inhalation),
- R27 (very toxic in contact with skin),
- R28 (very toxic if swallowed),
- R33 (danger of cumulative effects),
- R39 (danger of very serious irreversible effects),
- R40 (limited evidence of carcinogenic effect),
- R42 (may cause sensitisation by inhalation),

⁽³⁾ OJ L 200, 30.7.1999, p. 1.

- R45 (may cause cancer),
- R46 (may cause heritable genetic damage),
- R48 (danger of serious damage to health by prolonged exposure),
- R49 (may cause cancer by inhalation),
- R60 (may impair fertility),
- R61 (may cause harm to the unborn child),
- R62 (possible risk of impaired fertility),
- R63 (possible risk of harm to the unborn child),
- R68 (possible risk of irreversible effects),

as laid down in Council Directive 67/548/EEC ⁽⁴⁾ or in Directive 1999/45/EC. Active ingredients used as preservatives in the formula and that are assigned any of the risk phrases R23, R24, R25, R26, R27, R28, R39 R40 or R48 (or combinations thereof) may nevertheless be used up to a limit of 0,1 % (m/m) of the total paint formulation.

Alternatively, the Globally Harmonised System (GHS) of classification may be considered ⁽⁵⁾. In this case the ingredients, including those used in tinting (if applicable), classified as the following (or combinations thereof) shall not be used:

- Acute Toxicity (oral) – Category I, II, III,
- Acute Toxicity (dermal) – Category I, II, III,
- Acute Toxicity (inhalation) – Category I, II, III,
- Respiratory Sensitisation – Category I,
- Mutagenic Substances – Category I, II,
- Carcinogenic Substances – Category I, II,
- Substances Toxic for Reproduction – Category I, II,
- Specific Target Organ Systemic Toxicity (single exposure) – Category I, II,
- Specific Target Organ Systemic Toxicity (repeated exposure) – Category I, II,

as laid down in ST/SG/AC.10/30 ⁽⁶⁾ and revised in ST/SG/AC.10/34/Add.3 on the Globally Harmonized System of Classification and Labelling of Chemicals. Active ingredients used as preservers in the formula and that are assigned any of the following GHS categories may nevertheless be used up to a limit of 0,1 % (m/m) of the total paint formulation:

- Acute Toxicity (oral, dermal, inhalation) – I, II, III (only oral and dermal),
- Specific Target Organ Systemic Toxicity (single and/or repeated exposure) – I, II (or combinations thereof) and,
- Carcinogenicity category II,

Methyl Ethyl Ketoxime may be used in alkyd paints up to a limit of 0,3 % (m/m).

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion, together with a product material safety data sheet meeting the requirements of Annex II to the REACH Regulation.

⁽⁴⁾ OJ 196, 16.8.1967, p. 1.

⁽⁵⁾ On 27 June 2007, the European Commission adopted the 'Proposal for a Regulation of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, and amending Directive 67/548/EEC and Regulation (EC) No 1907/2006' (COM(2007) 355 final). For further information relating to the overlap between the existing system and GHS refer to Annex VII in Volume III to the proposal that has been adopted: http://ec.europa.eu/enterprise/reach/docs/ghs/ghs_prop_vol_iii_en.pdf

⁽⁶⁾ United Nations Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals: <http://www.unece.org/trans/main/dgdb/dgcomm/ac10rep.html>

(c) **Ingredients (dangerous for the environment):** No ingredient shall exceed 2 % (m/m), including those used in tinting (if applicable), that at the time of application fulfil the classification criteria of any of the following risk phrases (or combinations thereof):

- N R50 (very toxic to aquatic organisms),
- N R50/53 (very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment),
- N R51/53 (toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment),
- N R52/53 (harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment),
- R51 (toxic to aquatic organisms),
- R52 (harmful to aquatic organisms),
- R53 (may cause long-term adverse effects in the aquatic environment),

as laid down in Directive 67/548/EEC or Directive 1999/45/EC.

Alternatively, the Globally Harmonised System (GHS) of classification may be considered (⁷). In this case no ingredient shall exceed 2 % (m/m), including those used in tinting (if applicable), that is assigned or may be assigned at the time of application any of the following classifications:

Aquatic Toxicity categories (and combinations thereof):

- Acute I, II, III,
- Chronic I, II, III, IV,

as laid down in ST/SG/AC.10/30 and revised in ST/SG/AC.10/34/Add.3 on the Globally Harmonized System of Classification and Labelling of Chemicals.

In either case, the sum total of all ingredients that are assigned or may be assigned at the time of application any of these risk phrases (or combinations thereof) or GHS classifications shall not exceed 4 % (m/m).

This requirement does not apply to ammonia or alkyl ammonia.

This requirement does not affect the obligation to fulfil the requirement set out in criterion 6(a) above.

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion, together with a list of ingredients and material safety data sheets of each ingredient meeting the requirements of Annex II to the REACH Regulation.

(d) **Alkylphenoethoxylates (APEOs):** APEOS shall not be used in the product before or during tinting (if applicable).

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion.

(e) **Isothiazolinone compounds:** The content of isothiazolinone compounds in the product shall not exceed 0,05 % (m/m) before or after tinting (if applicable). Likewise the content of the mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EC No 247-500-7) and 2-methyl-2H-isothiazol-3-one (EC No 220-239-6) (3:1) shall not exceed 0,0015 % (m/m).

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion, indicating the amounts (if used).

(f) Perfluorinated alkyl sulfonates (PFAS), perfluorinated carboxylic acids (PFCA) including Perfluorooctanoic Acid (PFOA) and related substances listed in the OECD 'Preliminary lists of PFOS, PFAS, PFOA, PFCA, related compounds and chemicals that may degrade to PFCA (as revised in 2007)' are not permitted in the product. The OECD list is provided in the Annex to this criteria document.

⁽⁷⁾ See footnote 5.

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion.

- (g) **Formaldehyde:** Free formaldehydes shall not be added. Formaldehyde donors may only be added in such quantities as will ensure that the resulting total content after tinting (if applicable) of free formaldehyde will not exceed 0,001 % (m/m).

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion. In addition the applicant shall provide test results from raw materials suppliers using the VdL-RL 03 test method (VdL Guide-line03) 'In-can concentration of formaldehyde determined by the acetyl-acetone method' and calculations relating the data from these tests to the final product in order to indicate that the final maximum possible concentration of formaldehyde released by formaldehyde releasing substances is not higher than 0,001 % (m/m). Alternatively formaldehyde resulting from formaldehyde donors can be measured in the end product by using a standard based on High-performance liquid chromatography.

- (h) **Halogenated Organic Solvents:** Notwithstanding criteria 6a, 6b and 6c, only halogenated compounds that at the time of application have been risk assessed and have not been classified with the risk phrases (or combinations thereof): R26/27, R45, R48/20/22, R50, R51, R52, R53, R50/53, R51/53, R52/53 and R59 in accordance with Directives 67/548/EEC and 1999/45/EC may be used in the product before or during tinting (if applicable).

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion.

- (i) **Phthalates:** Notwithstanding criteria 6a, 6b and 6c, only phthalates that at the time of application have been risk assessed and have not been classified with the phrases (or combinations thereof): R60, R61, R62, R50, R51, R52, R53, R50/53, R51/53, R52/53, in accordance with Directive 67/548/EEC and its amendments, may be used in the product before or during tinting (if applicable). Additionally DNOP (di-n-octyl phthalate), DINP (di-isononyl phthalate), DIDP (di-isodecyl phthalate) are not permitted in the product.

Assessment and verification: The applicant shall provide a declaration of compliance with this criterion.

7. Fitness-for-use

- (a) **Spreading rate:** White paints and light-coloured paints (including finishes, primers, undercoats and/or intermediates) shall have a spreading rate (at a hiding power of 98 %) of at least 8 m² per litre of product.

For tinting systems, this criterion applies only to the white base (the base containing the most TiO₂). In cases where the white base is unable to achieve the requirement of at least 8 m² per litre at a hiding power of 98 %, the criterion shall be met after tinting the white base to produce the standard colour RAL 9010. For all other bases used to produce tinted products — these are bases which as a rule contain less TiO₂, which are unable to achieve the requirement of at least 8 m² per litre of product at a hiding power of 98 % — the criterion shall not apply. For paints that are a part of a tinting system, the applicant must advise the end-user on the product packaging and/or POS which shade or primer/undercoat (if possible bearing the Community Eco-label) should be used as a basecoat before applying the darker shade.

Primers with specific blocking/sealing, penetrating/binding properties and primers with special adhesion properties for aluminium and galvanised surfaces shall have a spreading rate (at a hiding power of 98 %) of at least 6 m² per litre of product.

Thick decorative coatings (paints that are specially designed to give a three-dimensional decorative effect and are therefore characterised by a very thick coat) shall alternatively have a spreading power of 1 m² per kg of product.

This requirement does not apply to varnishes, woodstains, floor coatings, floor paints, undercoats, adhesion primers or any other transparent coatings.

Assessment and verification: The applicant shall provide a test report using the method ISO 6504/1 (Paints and varnishes — determination of hiding power — Part 1: Kubelka-Munk method for white and light-coloured paints) or 6504/3 (Part 3: determination of contrast ratio (opacity) of light-coloured paints at a fixed spreading rate), or for paints specially designed to give a three-dimensional decorative effect and characterised by a very thick coat the method NF T 30 073 (or equivalent). For bases used to produce tinted products not evaluated according to the abovementioned requirements, the applicant shall produce evidence of how the end-user will be advised to use a primer and/or grey (or other relevant shade) of undercoat before application of the product.

- (b) **Wet scrub resistance:** Wall paints (according to EN 13300) for which claims are made (whether on the product or in related marketing material) that they are washable, cleanable or brushable shall have a wet scrub resistance as measured by EN 13300 and EN ISO 11998 of class 2 or better (not exceeding 20 microns after 200 cycles).

Due to the large potential range of possible tinting colours, this criterion will be restricted to the testing of tinting bases.

Assessment and verification: The applicant shall provide a test report according to EN 13300 using the method EN ISO 11998 (Test for cleanability and scrub resistance) and evidence (on the product packaging or related marketing material) that the end-user is informed that the product has not been tested for wet scrub resistance in the case of ceiling paints.

- (c) **Resistance to water:** Varnishes, floor coatings and floor paints shall have a resistance to water, as determined by ISO 2812-3 such that after 24 hours exposure and 16 hours recovery no change of gloss or of colour occurs.

Assessment and verification: The applicant shall provide a test report using the method ISO 2812-3 (Paints and varnishes — determination of resistance to liquids — Part 3: Method using an absorbent medium).

- (d) **Adhesion:** Floor coatings, floor paints and floor undercoats, metal and wood undercoats shall score at least 2 in the EN 2409 test for adhesion. Pigmented masonry primers shall score a pass in the EN 24624 (ISO 4624) pull-off test where the cohesive strength of the substrate is less than the adhesive strength of the paint, otherwise the adhesion of the paint must be in excess of a pass value of 1,5MPa.

Transparent primers are not included in this requirement

Assessment and verification: The applicant shall provide a test report using the method EN ISO 2409 or EN 24624 (ISO 4624) as applicable.

- (e) **Abrasion:** Floor coatings and floor paints shall have an abrasion resistance not exceeding 70 mg weight loss after 1 000 test cycles with a 1 000 g load and a CS10 wheel according to EN ISO 7784-2:2006.

Assessment and verification: The applicant shall provide a test report showing compliance with this criterion using the method EN ISO 7784-2:2006.

8. Consumer information

The following information shall appear on the packaging or attached to the packaging:

- the use, substrate and conditions of use for which the product is intended. This shall include advice on preparatory work, etc., such as correct substrate preparation, advice on indoor use (where appropriate), or temperature,
- recommendations for cleaning tools and appropriate waste management (in order to limit water pollution). These recommendations shall be adapted to the type of product in question and field of application in question and may make use of pictograms if appropriate;
- recommendations concerning product storage conditions after opening (in order to limit solid waste), including safety advice if appropriate,
- for darker coatings for which criterion 7(a) does not apply, advice is given concerning the use of the correct primer or base paint (if possible bearing the Community Eco-label),
- for thick decorative coatings a text informing that these are paints specially designed to give a three-dimensional decorative effect,
- text advising that unused paint requires specialist handling for safe environmental disposal and that it should not therefore be thrown away with household refuse. Advice regarding disposal and collection should be sought from the local authority,

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- recommendations on preventive protection measures for the painter. The following text (or equivalent text) shall appear on the packaging or attached to the packaging:

'For more information as to why this product has been awarded the Flower please visit the web-site: <http://ec.europa.eu/environment/ecolabel>.'

Assessment and verification: A sample of the product packaging shall be provided when submitting the application, together with a corresponding declaration of compliance with this criterion as appropriate.

9. Information appearing on the eco-label

Box 2 of the eco-label shall contain the following text:

- good performance for indoor use,
- restricted hazardous substances,
- low solvent content.

Assessment and verification: The applicant shall provide a sample of the product packaging showing the label, together with a declaration of compliance with this criterion.
