

Commission Implementing Decision (EU) 2020/2009 of 22 June 2020 establishing the best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions, for surface treatment using organic solvents including preservation of wood and wood products with chemicals (notified under document C(2020) 4050) (Text with EEA relevance)

- Article 1      The best available techniques (BAT) conclusions for surface treatment using...
- Article 2      This Decision is addressed to the Member States.  
Signature

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## ANNEX

Best available techniques (BAT) conclusions for surface treatment using organic solvents including preservation of wood and wood products with chemicals

SCOPE

DEFINITIONS

ACRONYMS

GENERAL CONSIDERATIONS

Best Available Techniques

Emission levels associated with the best available techniques (BAT-AELs)

BAT-AELs for total and fugitive VOC emissions

BAT-AELs and indicative emission levels for emissions in waste gases...

BAT-AELs for emissions to water

Other environmental performance levels

Specific energy consumption (energy efficiency) levels associated with the best...

Specific water consumption levels associated with the best available techniques...

Indicative levels for specific waste quantity sent off site

## 1. BAT CONCLUSIONS FOR SURFACE TREATMENT USING ORGANIC SOLVENTS

### 1.1. General BAT conclusions

#### 1.1.1. Environmental Management Systems

BAT 1. In order to improve the overall environmental performance, BAT is...

Note

Applicability

#### 1.1.2. Overall environmental performance

BAT 2. In order to improve the overall environmental performance of the...

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- 1.1.3. Selection of raw materials
  - BAT 3. In order to prevent or reduce the environmental impact of...
  - BAT 4. In order to reduce solvent consumption, VOC emissions and the...
- 1.1.4. Storage and handling of raw materials
  - BAT 5. In order to prevent or reduce fugitive VOC emissions during...
- 1.1.5. Distribution of raw materials
  - BAT 6. In order to reduce raw material consumption and VOC emissions,...
- 1.1.6. Coating application
  - BAT 7. In order to reduce raw material consumption and the overall...
- 1.1.7. Drying/curing
  - BAT 8. In order to reduce energy consumption and the overall environmental...
- 1.1.8. Cleaning
  - BAT 9. In order to reduce VOC emissions from cleaning processes, BAT...
- 1.1.9. Monitoring
  - 1.1.9.1. Solvent mass balance
    - BAT 10. BAT is to monitor total and fugitive VOC emissions by...
  - 1.1.9.2. Emissions in waste gases
    - BAT 11. BAT is to monitor emissions in waste gases with at...
  - 1.1.9.3. Emissions to water
    - BAT 12. BAT is to monitor emissions to water with at least...
- 1.1.10. Emissions during OTNOC
  - BAT 13. In order to reduce the frequency of the occurrence of...
- 1.1.11. Emissions in waste gases
  - 1.1.11.1. VOC emissions
    - BAT 14. In order to reduce VOC emissions from the production and...
    - BAT 15. In order to reduce VOC emissions in waste gases and...
    - BAT 16. In order to reduce the energy consumption of the VOC...
  - 1.1.11.2. NOX and CO emissions
    - BAT 17. In order to reduce NOX emissions in waste gases while...
  - 1.1.11.3. Dust emissions
    - BAT 18. In order to reduce dust emissions in waste gases from...
- 1.1.12. Energy efficiency
  - BAT 19. In order to use energy efficiently, BAT is to use...
- 1.1.13. Water use and waste water generation
  - BAT 20. In order to reduce water consumption and waste water generation...
- 1.1.14. Emissions to water
  - BAT 21. In order to reduce emissions to water and/or to facilitate...
- 1.1.15. Waste management
  - BAT 22. In order to reduce the quantity of waste sent for...
- 1.1.16. Odour emissions
  - BAT 23. In order to prevent or, where that is not practicable,...
- 1.2. BAT conclusions for the coating of vehicles

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- 1.2.1. VOC emissions and energy and raw material consumption  
BAT 24 In order to reduce the consumption of solvents, other raw...
- 1.2.2. Waste quantity sent off site
- 1.3. BAT conclusions for the coating of other metal and plastic...
- 1.4. BAT conclusions for the coating of ships and yachts  
BAT 25 In order to reduce total emissions of VOCs and dust...
- 1.5. BAT conclusions for the coating of aircraft  
BAT 26 In order to reduce total emissions of VOCs and to...
- 1.6. BAT conclusions for coil coating
- 1.7. BAT conclusions for the manufacturing of adhesive tapes
- 1.8. BAT conclusions for the coating of textiles, foils and paper...
- 1.9. BAT conclusions for the manufacturing of winding wire  
BAT 27 In order to reduce total emissions of VOCs and energy...
- 1.10. BAT conclusions for the coating and printing of metal packaging...
- 1.11. BAT conclusions for heatset web offset printing  
BAT 28 In order to reduce total VOC emissions, BAT is to...
- 1.12. BAT conclusions for flexography and non-publication rotogravure printing
- 1.13. BAT conclusions for publication rotogravure printing  
BAT 29 In order to reduce VOC emissions from publication rotogravure printing,...
- 1.14. BAT conclusions for the coating of wooden surfaces
- 2. BAT CONCLUSIONS FOR PRESERVATION OF WOOD AND WOOD PRODUCTS WITH...
  - 2.1. Environmental management systems  
BAT 30 In order to improve the overall environmental performance, BAT is...  
Note  
Applicability
  - 2.2. Substitution of harmful/hazardous substances  
BAT 31 In order to prevent or reduce emissions of PAHs and/or...  
Description  
Applicability  
BAT 32 In order to reduce the environmental risk posed by the...  
Applicability
  - 2.3. Resource efficiency  
BAT 33 In order to increase resource efficiency and to reduce the...
  - 2.4. Delivery, storage and handling of treatment chemicals  
BAT 34 In order to reduce emissions from delivery, storage and handling...
  - 2.5. Preparation/conditioning of wood  
BAT 35 In order to reduce the consumption of treatment chemicals and...
  - 2.6. Preservative application process  
BAT 36 In order to prevent accidental leakage and emissions of treatment...  
BAT 37 In order to reduce emissions of aerosols from wood and...  
BAT 38 In order to prevent or reduce emissions of treatment chemicals...  
BAT 39 In order to reduce energy consumption in pressure processes (autoclaves),...  
Description  
Applicability
  - 2.7. Post-treatment conditioning and interim storage  
BAT 40 In order to prevent or reduce the contamination of soil...  
Description
  - 2.8. Waste management  
BAT 41 In order to reduce the quantity of waste sent for...

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- BAT 42. In order to reduce the environmental risk related to waste...
- 2.9. Monitoring
  - 2.9.1. Emissions to water
    - BAT 43. BAT is to monitor pollutants in waste water and potentially...
  - 2.9.2. Groundwater quality
    - BAT 44. BAT is to monitor pollutants in groundwater with a frequency...
  - 2.9.3. Emissions in waste gases
    - BAT 45. BAT is to monitor emissions in waste gases with a...
- 2.10. Emissions to soil and groundwater
  - BAT 46. In order to prevent or reduce emissions to soil and...
- 2.11. Emissions to water and waste water management
  - BAT 47. In order to prevent or, where that is not practicable,...
  - BAT 48. In order to reduce emissions to water from wood and...
    - Description:
- 2.12. Emissions to air
  - BAT 49. In order to reduce emissions of VOCs to air from...
  - BAT 50. In order to reduce emissions of organic compounds and odour...
    - Applicability
  - BAT 51. In order to reduce emissions of organic compounds to air...
  - BAT 52. In order to reduce NOX emissions in waste gases while...
- 2.13. Noise
  - BAT 53. In order to prevent or, where that is not practicable,...
  - Applicability

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- (1) [OJ L 334, 17.12.2010, p. 17.](#)
- (2) Commission Decision of 16 May 2011 establishing a forum for the exchange of information pursuant to Article 13 of Directive 2010/75/EU on industrial emissions ([OJ C 146, 17.5.2011, p. 3](#)).

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**Changes and effects yet to be applied to :**

- Art. 2 substituted by S.I. 2018/1407, reg. 24E(2) (as inserted) by [S.I. 2020/1313 reg. 5\(3\)](#)