
Dust Management Standard

Who this standard applies to	This standard sets out Skanska UK's requirements for minimising risk to its activities and operations. It applies to all Skanska UK employees and trade contractors working on our behalf.
Objective	In order to maintain an Injury Free Environment for our people, our workforce, our clients and suppliers, and any other person who may be affected by our activities, Skanska UK is introducing this dust management standard aimed at preventing or adequately controlling construction dust risks.
Scope	<p>All construction activities which generate respirable dust on Skanska UK projects must be planned, risk assessed and controlled in order to minimise the risk of exposure to the individuals carrying out the activity or others affected by their work.</p> <p>There are three 3 main types of respirable dust found on site:</p> <ul style="list-style-type: none">• Silica dust – created when working on materials such as concrete, mortar and sandstone• Wood dust – created when working on softwood. Hardwood and wood based products such as MDF• Low toxicity dusts – created when working on materials with very little Silica such as gypsum <p>These dusts are created by activities such as (this list is not exhaustive):</p> <ul style="list-style-type: none">• Chasing concrete• Cutting concrete• Breaking concrete• Hand drilling into various materials• Sanding plasterboards• Clearing debris• Cutting wood• Sanding wood
Legal Requirement	All employers have a legal responsibility to control substances hazardous to health in the workplace, and to prevent and adequately control employees' exposure to those substances.
Design & Planning	<p>Consideration must be given to actively prioritise the elimination and reduction of dust as part of the design management process.</p> <p>The design management process must actively identify where respirable dusts may exist or be generated throughout all stages of the project to avoid or reduce these to the lowest practicable level.</p>

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Risk Assessment & Control Measures

All work activities are subject to risk assessment processes which will identify the control measures necessary to ensure the health and safety of those undertaking the work and those affected by the work.

As a minimum the following control measures are required to mitigate the risk to health and safety posed by respirable dust within Skanska UK projects:

<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • Water suppression and • RPE – FFP3 as a minimum and face fit testing required 	 <p>Petrol cut-off saw</p>	<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • On-tool extraction using an H or M class unit and • RPE – FFP3 as a minimum and face fit testing required • Consider powered RPE for longer duration work
<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • On tool extraction using an H or M class unit and • RPE – FFP3 as a minimum and face fit testing required 	 <p>Hand drilling</p>	<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • On tool extraction using a H or M class unit and • RPE – FFP3 as a minimum and face fit testing required
<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • On-tool extraction using an H, M or L class unit 	 <p>Sanding plasterboard</p>	<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • Damping down for small one off amounts <p>Regular removal:</p> <ul style="list-style-type: none"> • Water spray • Rake and shovel for larger pieces • Vacuum extraction fitted to an H or M class unit • RPE – face fit test
<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • On tool extraction using an H or M class unit and • Longer duration work (15-30 daily) will require RPE – suitable for wood dust and face fit testing required 	 <p>Cutting wood</p>	<p><u>Control the dust using:</u></p> <ul style="list-style-type: none"> • On tool extraction using a H or M class unit and • RPE – suitable for wood dust and face fit testing required

Potential Enforcement Action

Cutting and chasing of concrete, kerbs, blocks		
Issue	Consider PN	Initial Enforcement Expectation (IEE)
All controls missing or ineffective	Yes	IN to secure sustained compliance
One effective control	No	IN
Scabbling/grinding/breaking of concrete		
All controls missing or ineffective	Yes	IN to secure sustained compliance
One effective control	No	IN
Coring/drilling brick and concrete		
Short duration drilling or dry coring (15-30 minutes daily) without controls	No	IN
Longer duration drilling or dry coring (over 30 minutes daily) without controls	Only in more extreme conditions	IN
Longer duration drilling or dry coring (over 30 minutes daily) with one effective control	No	IN only where there is a remote likelihood

Removing Silica containing dust and debris		
Issue	Consider PN	Initial Enforcement Expectation (IEE)
Extensive/regular dry brushing in an enclosed space with no controls	Only in more extreme conditions	IN
Infrequent dry brushing outside with no controls	No	IN where there is a remote likelihood
Extensive/regular brushing in an enclosed space with effective RPE	No	IN where there is a remote likelihood
Infrequent dry brushing outside with effective RPE	No	None. Possible verbal advice on COSHH control hierarchy
Cutting/sanding of wood with power tools		
All controls missing or ineffective	Only in more extreme conditions or where specific toxic woods are in use	IN
One effective control for sanding or longer duration cutting work (15-30 minutes daily)	No	IN
Removing wood dust		
Extensive/regular dry brushing in an enclosed space with no controls	Only in more extreme conditions or where specific toxic woods are in use	IN
Infrequent dry brushing outside with no controls	No	IN where there is a remote likelihood
Extensive/regular dry brushing in an enclosed space with effective RPE	No	IN where there is a remote likelihood
Infrequent dry brushing outside with effective RPE	No	None. Possible verbal advice on COSHH control hierarchy

Compliance Monitoring

Employers are expected to ensure an adequate level of management, Supervision and monitoring is in place to meet the requirements laid out in this standard.

Further Guidance and Support

Construction Information Sheet (CSI) 36: www.hse.gov.uk/pubns/cis36.pdf;

Construction Information Sheet (CSI) 69: www.hse.gov.uk/pubns/cis69.pdf

HSG53: www.hse.gov.uk/pubns/books/hsg53.htm

Construction Dust Partnership: <http://www.citb.co.uk/health-safety-and-other-topics/health-safety/construction-dust-partnership/>

Makita: <http://www.makita.com/dust.html>

Hilti: <https://www.hilti.co.uk/dust>

