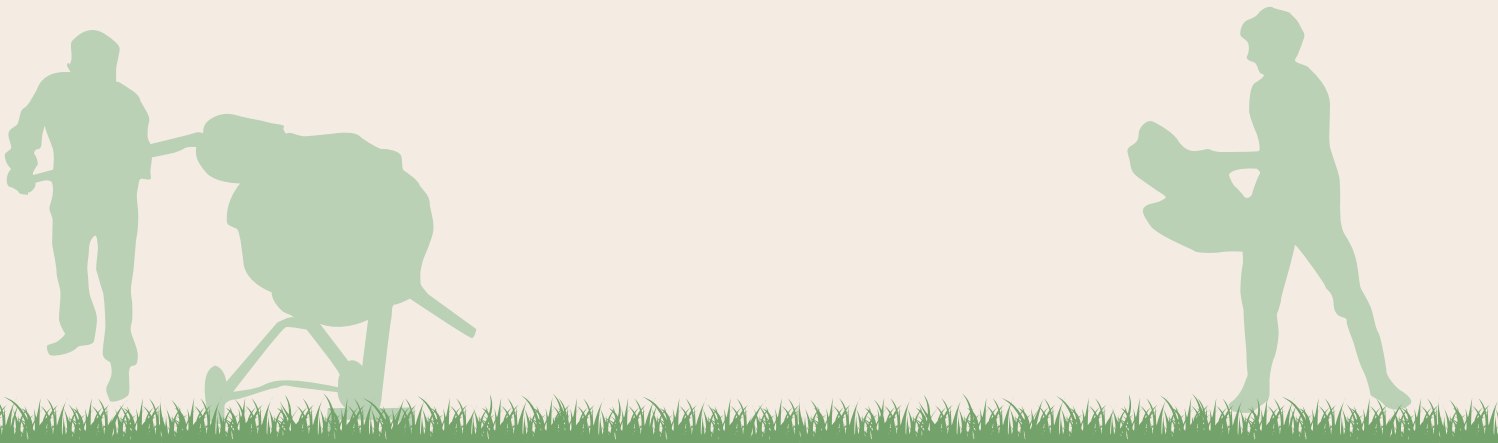
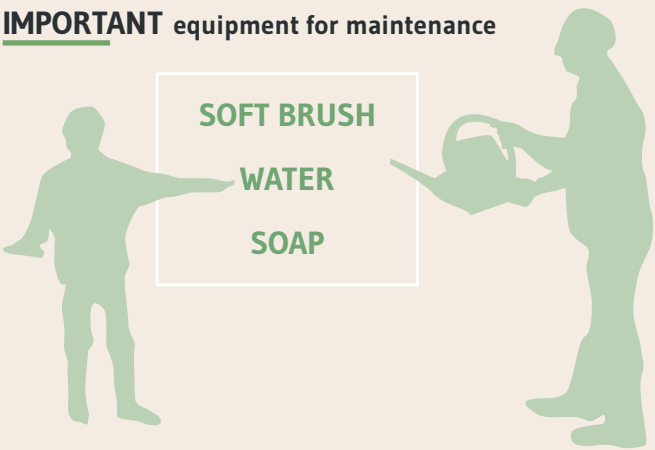


OPERATING AND MAINTENANCE GUIDE

– Guide for playground equipment made of concrete



IMPORTANT equipment for maintenance



NOTICE

When changing defect and worn-out parts, you must replace with original spare parts from the manufacturer, if you wish to retain the warranty. Elverdal recommends the following deadlines for maintenance of wooden playground equipment. In average, you must plan to use half an hour monthly on maintenance of each area as part of life-cycle costing.

Maintenance

To reduce the likelihood of accidents and to keep the necessary safety level for the equipment standard of playground’s safety and operational level, the owner must carry out a regular inspection and a maintenance check of the playground equipment. See our maintenance guide below. Maintenance includes at least once a year a thorough cleaning of the entire equipment, in particular playground towers and climbing equipment (including parkour). Cleaning is necessary to remove dirt and fouling on the surface. If the cleaning is done gentle and carefully, in most cases you will achieve a surface quality as the original one. The most careful way to clean a concrete surface is manually with a soft brush, some water and soap. This method cannot clean off all kinds of dirt and fouling, just as it is relatively slow and demanding (expensive). On the other hand, it requires no equipment, and you do not cause damage to the concrete’s surface. Moss and algae can also be removed with store-bought cleaning remedies against mossy covering. A Spring cleaning of the play equipment might be a good idea after harsh winter weather. We do not recommend the use of a pressure washer, since it can do damages to the surface and the structure of the concrete. Improving maintenance is a thorough effort, which should be carried in connection with the annual general inspection. Improving maintenance includes repair of defects or reestablishing the necessary standard safety level for the playground equipment. These actions cover the following:

- Cleaning of the playground equipment
- Re-tightening of any parts, that have come loose, especially bolts, brackets and fixings in the concrete
- If necessary, replacing malfunctioning building or design elements

INSPECTION of the playground

In case the inspection demonstrates serious hazards as regards to safety, the equipment must be secured against use and sealed off until it has been repaired. In the following, you will find a routine visual inspection form. All documents including tenders, illustrations, invoice, and any building application, plan for mounting as well as the maintenance documents must be kept in a log.

Tasks	Weekly	Monthly	Yearly	If necessary
Check the equipment	X			X
Surface cleaning				X
Re-tightening of brackets			X	

Routine visual inspection form

Week	Sign.	Remarks
1		
2		
3		
4		
5		
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7		
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Week	Sign.	Remarks
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Conditions:

Inspection is carried out according to the following standards:

Standard no.	Standard subject	Effective date of the standard
EN 1176 part 1	General safety standards	Oct. 2017
EN 1176 part 2	Swings	Oct. 2017
EN 1176 part 3	Slides	Oct. 2017
EN 1176 part 4	Cableways	Oct. 2017
EN 1176 part 5	Roundabouts	Oct. 2017
EN 1176 part 6 Oct. 2017	Seasaws	Oct. 2017
EN 1176 part 7	Maintenance, inspection and installation	April. 2020
EN 1177	Surfacing	Jan. 2018

The inspection is made by using test tools as indicated by EN 1176-1. 2017

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