



**Co-ordination of the Notified Bodies
NB-TOYS
under the Safety of Toys Directive**

**NB-TOYS/2011/085
REV 1
23 April 2012**

EC type approval protocol No. 4 Washability of toys

Agreed by:
NB-Toys group on: 6 October 2011
ADCO group on Toy Safety on: 23 April 2012
Expert group on Toy Safety on: 23 April 2012

Will be available at: http://ec.europa.eu/enterprise/sectors/toys/documents/recommendations/index_en.htm

EC type approval protocol No. 4 domestic washing and drying procedures for textiles toys intended for children under 36 months.

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1. Background

The toy Safety Directive 2009/48/EC indicates in its Annex II chapter V.2 Hygiene: “A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy shall, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy shall fulfil the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions.”

For the purpose of the above underlined requirement, EU NB Toys Committee has decided to set up an agreed procedure to be used in the framework of their activity. The following reflects the outcome of our discussions..

2. Scope of this protocol

In case an EC Type examination is conducted on a textile toy intended for children under 36 months which does not contain a mechanism that may be damaged if soak washed, soak washing (hand or machine) and drying procedures have to be defined.

3. Definition

3.1 Textile toys

Textile toys are toys entirely made of textile with the exception for materials inside ther toy and minor features or decorations sewed/adhered to the outside (e.g. eyes and nose) (See: *Toy Safety Directive 2009/48/EC An explanatory guidance document*)

4. Supporting standard used

EN ISO 6330 (2000) + A1 (2009) : Textiles – Domestic washing and drying procedures for textile testing

This standard is widely used in the framework of textiles assessment and was found to be an appropriate supporting document to use.

This standard is currently under revision and this protocol should be revisited when the revision is published.

5. Agreed protocol

It is agreed that 3 consecutive cycles (soak washing + drying being regarded as one cycle) are to be applied to the toys.

Soak Washing Protocol	EN ISO 6330 + A1 Correspondence	Specific approach
Reagents		
Detergent	Clause 4.1.2 (reference detergent N°2)	Weight of detergent: 20 grams
Water	Clause 4.2	
Apparatus		
Washing machine	Standard washing machine type A2 – ISO 6330	Domestic consumer model, front loading, horizontal drum type – Capacity 5-9 kg – able to spin dry at a speed between 1100 and 1400 revolutions per minute. The washing machine shall have the following programs: cotton, synthetic, wool, hand wash.
Ballast		
Ballast type	Clause 5.3.1	
Ballast weight		<u>For Machine washing:</u> To be adjusted so that the total load (dry mass toy(s) + ballast) is 2.4 +/- 0.1kg. The minimum ballast load shall be 1 kg. It is allowed to soak wash different toys at the same time provided the washing instructions are the same. <u>For hand washing:</u> To be adjusted so that the total load (dry mass toy(s) + ballast) is 1.2 +/- 0.1kg. The minimum ballast load shall be 0.5 kg. It is allowed to soak wash different toys at the same time provided the washing instructions are the same.
Washing procedure		
Washing program		Wash according to the instructions given by the manufacturer using the cotton, synthetic, wool or hand wash programs. The spin dry speed shall be adjusted at the highest value allowed by the program.

Machine drying Protocol	EN ISO 6330 + A1 Correspondence	Specific approach
Apparatus		
Drying machine	other equipment specified according to EN ISO 6330 par. 8.5 procedure E.	Domestic consumer tumble dry model, front loading, horizontal drum type – Capacity 5-9 kg - alternated rotation. The drying machine shall have the following programs: cotton, synthetic and shall have the ability to self-determine and adjust the drying time or have a timer switch.
Ballast		
Ballast type	Clause 5.3.1	
Ballast weight		Toy(s) and ballast, the total weight of which is dependant on the washing mode (see above soak washing protocol), shall be placed into the drying machine.
Drying procedure		
Drying program		Dry according to the instructions given by the manufacturer using the cotton or synthetic programs. The drying time is calculated by the drying machine and shall not be stopped before.

Line drying Protocol	EN ISO 6330 + A1 Correspondence	Specific approach
Apparatus		
Line dry		A line drying cabinet can be used
Drying procedure		
Drying mode		If machine tumble dry is not allowed according to the instructions given by the manufacturer, suspend the toy(s) a line and allow to dry. The drying temperature shall be 25°C ± 5°C