



# **EQUIPMENT APPROVAL CERTIFICATE Wooden Flooring**

This is to confirm that  
**KTL MULTIFLEX ADVANCE BATTEN SYSTEM V2**

from  
**KTL INTERNATIONAL SDN BHD**

has been certified by the Badminton World Federation

for

**Grade 1: BWF International Elite (A-Tested for use as  
Badminton Floor Surface) & (B-Tested for use only as  
sub-floor for Badminton Court Mat)**

Valid from **01 July 2024** to **30 June 2026**

A handwritten signature in black ink, appearing to read 'T. Oly', written over a horizontal dotted line.

**THOMAS LUND OLY**  
Secretary General



*The authenticity of this certificate can be confirmed by writing to [eas@bwf.sport](mailto:eas@bwf.sport)*

# CERTIFICATION STANDARDS - WOODEN FLOOR

<b>WOODEN FLOOR (PERMANENT OR PORTABLE)</b> (For each of below certification grades the court equipment needs to live up to the stated certification criteria - if not otherwise stated please refer to DIN and EN minimum criteria)		
APPROVED AS GRADE:	A - USED AS BADMINTON FLOOR SURFACE	B - USED ONLY AS SUB-FLOOR FOR BADMINTON COURT MAT
<b>GRADE 1: BWF INTERNATIONAL ELITE</b>	EN 14904: FRICTION, SHOCK ABSORPTION, VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION, STANDARD DEFORMATION <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION, VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: FORCE REDUCTION, STANDARD DEFORMATION
<b>GRADE 2: BWF INTERNATIONAL STANDARD</b>	EN14904: FRICTION, SHOCK ABSORPTION $\geq 11\%$ , VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION $\geq 11\%$ , STANDARD DEFORMATION <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION $\geq 11\%$ , VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: FORCE REDUCTION $\geq 11\%$ , STANDARD DEFORMATION
<b>GRADE 3: BWF BASIC</b>	EN14904: FRICTION, SHOCK ABSORPTION $\geq 11\%$ <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION $\geq 11\%$ <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION $\geq 11\%$ <b>or;</b> DIN 18032.2: FORCE REDUCTION $\geq 11\%$

*For use of equipment of different grades in different levels of tournaments please refer to BWF Regulations for BWF Sanctioned tournaments and/or to Continental Confederation regulations for Continental level tournaments. If Continental Confederations have regulations regarding equipment use for their own Continental tournaments then these regulations apply. BWF does not issue regulations for equipment use for tournaments sanctioned only by national Associations.*



# EQUIPMENT APPROVAL CERTIFICATE Wooden Flooring

This is to confirm that  
**KTL PRO II V2 System**

from  
**KTL INTERNATIONAL SDN BHD**

has been certified by the Badminton World Federation

for

**Grade 1: BWF International Elite (A-Tested for use as  
Badminton Floor Surface) & (B-Tested for use only as  
sub-floor for Badminton Court Mat)**

Valid from **01 July 2024** to **30 June 2026**

A handwritten signature in black ink, appearing to read 'T. Oly', written over a horizontal dotted line.

**THOMAS LUND OLY**  
Secretary General



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# CERTIFICATION STANDARDS - WOODEN FLOOR

<b>WOODEN FLOOR (PERMANENT OR PORTABLE)</b> (For each of below certification grades the court equipment needs to live up to the stated certification criteria - if not otherwise stated please refer to DIN and EN minimum criteria)		
APPROVED AS GRADE:	A - USED AS BADMINTON FLOOR SURFACE	B - USED ONLY AS SUB-FLOOR FOR BADMINTON COURT MAT
<b>GRADE 1: BWF INTERNATIONAL ELITE</b>	EN 14904: FRICTION, SHOCK ABSORPTION, VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION, STANDARD DEFORMATION <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION, VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: FORCE REDUCTION, STANDARD DEFORMATION
<b>GRADE 2: BWF INTERNATIONAL STANDARD</b>	EN14904: FRICTION, SHOCK ABSORPTION $\geq 11\%$ , VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION $\geq 11\%$ , STANDARD DEFORMATION <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION $\geq 11\%$ , VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: FORCE REDUCTION $\geq 11\%$ , STANDARD DEFORMATION
<b>GRADE 3: BWF BASIC</b>	EN14904: FRICTION, SHOCK ABSORPTION $\geq 11\%$ <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION $\geq 11\%$ <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION $\geq 11\%$ <b>or;</b> DIN 18032.2: FORCE REDUCTION $\geq 11\%$

*For use of equipment of different grades in different levels of tournaments please refer to BWF Regulations for BWF Sanctioned tournaments and/or to Continental Confederation regulations for Continental level tournaments. If Continental Confederations have regulations regarding equipment use for their own Continental tournaments then these regulations apply. BWF does not issue regulations for equipment use for tournaments sanctioned only by national Associations.*



# EQUIPMENT APPROVAL CERTIFICATE Synthetic Flooring

This is to confirm that  
**KTL PRO Portable sports flooring**

from  
**KTL INTERNATIONAL SDN BHD**

has been certified by the Badminton World Federation

for

**Grade 1: BWF International Elite (A - Used without BWF  
Approved Sub-Floor) & (B-Used only on BWF Approved  
Sub-Floor)**

Valid from **01 January 2025** to **31 December 2026**

A handwritten signature in black ink, appearing to read 'T. Oly', positioned above a dotted line.

**THOMAS LUND OLY**  
Secretary General



*The authenticity of this certificate can be confirmed by writing to [eas@bwf.sport](mailto:eas@bwf.sport)*

# CERTIFICATION STANDARDS - SYNTHETIC FLOOR

<b>SYNTHETIC FLOOR (PERMANENT OR PORTABLE)</b> (For each of below certification grades the court equipment needs to live up to the stated certification criteria - if not otherwise stated please refer to DIN and EN minimum criteria)		
APPROVED AS GRADE:	A - USED AS BADMINTON FLOOR SURFACE	B - USED ONLY AS SUB-FLOOR FOR BADMINTON COURT MAT
<b>GRADE 1: BWF INTERNATIONAL ELITE</b>	EN 14904: FRICTION, SHOCK ABSORPTION, VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION, STANDARD DEFORMATION <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION, VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: FORCE REDUCTION, STANDARD DEFORMATION
<b>GRADE 2: BWF INTERNATIONAL STANDARD</b>	EN14904: FRICTION, SHOCK ABSORPTION $\geq 11\%$ , VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION $\geq 11\%$ , STANDARD DEFORMATION <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION $\geq 11\%$ , VERTICAL DEFORMATION <b>or;</b> DIN 18032.2: FORCE REDUCTION $\geq 11\%$ , STANDARD DEFORMATION
<b>GRADE 3: BWF BASIC</b>	EN14904: FRICTION, SHOCK ABSORPTION $\geq 11\%$ <b>or;</b> DIN 18032.2: SLIP RESISTANCE, FORCE REDUCTION $\geq 11\%$ <b>and;</b> APPROVED BWF REFEREES INSPECTION REPORT	EN 14904: SHOCK ABSORPTION $\geq 11\%$ <b>or;</b> DIN 18032.2: FORCE REDUCTION $\geq 11\%$

*For use of equipment of different grades in different levels of tournaments please refer to BWF Regulations for BWF Sanctioned tournaments and/or to Continental Confederation regulations for Continental level tournaments. If Continental Confederations have regulations regarding equipment use for their own Continental tournaments then these regulations apply. BWF does not issue regulations for equipment use for tournaments sanctioned only by national Associations.*