

RACK INSPECTION



Your Storage Systems Expert

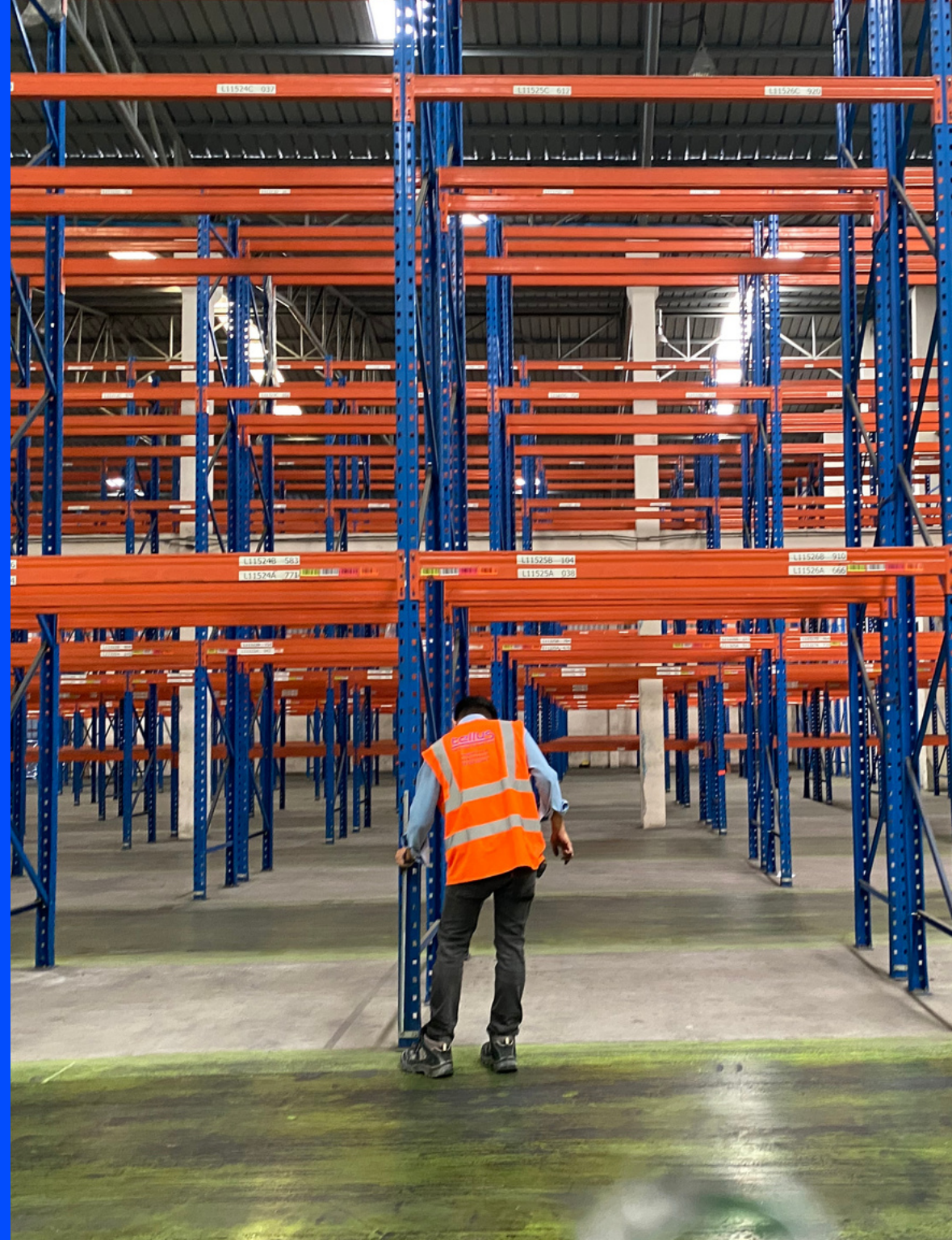
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RACK DAMAGES AND SAFETY WHAT DOES THE STANDARD SAY

- AS THERE IS NO THAI STANDARD FOR THE APPLICATION AND MAINTENANCE OF STORAGE SYSTEMS, WE WILL REFER TO THE STANDARD IN EUROPE
- FOLLOWING THE EUROPEAN STANDARD EN 15635:2008 STEEL STATIC STORAGE SYSTEMS - APPLICATION AND MAINTENANCE OF STORAGE EQUIPMENT
- WHEN INSPECTING THE PALLET RACKING FRAME FOR DAMAGES, FOLLOW THE FOLLOWING GUIDELINES.

THE DAMAGES ARE CATEGORISED INTO THREE GROUPS EACH REPRESENTED BY A COLOUR

GREEN: THE DAMAGE/BENDING IS WITHIN THE SAFE LIMIT, BUT SHALL BE RECORDED AND REVIEWED AT SET INTERVALS TO MAKE SURE IT DOES NOT GET WORSE.

AMBER: THE DAMAGE/BENDING IS MORE THAN WHAT IS ACCEPTED AS BEING CATEGORISED AS GREEN, BUT LESS THAN TWICE THE NUMBER. THE AREA SHALL BE SET TO BE REPAIRED WITHIN MAXIMUM 4 WEEKS FROM THE DAMAGE BEING NOTICED.

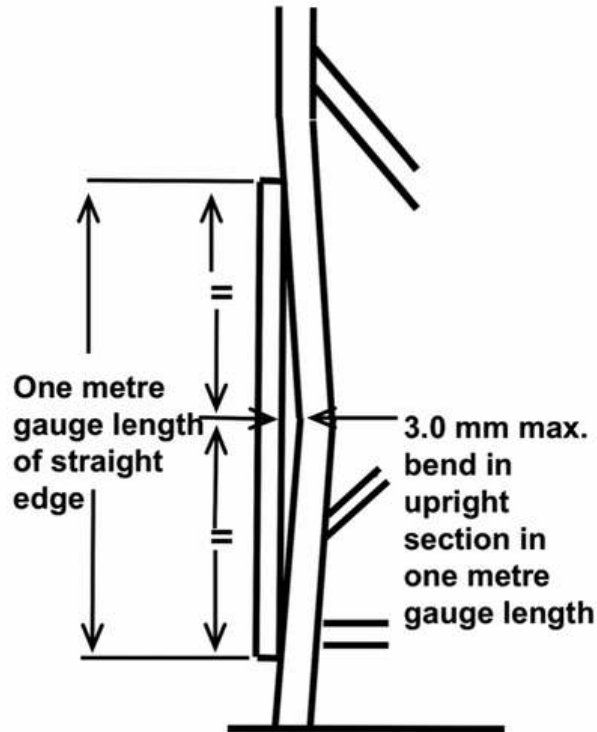
RED: THE DAMAGE/BENDING IS MORE THAN TWICE WHAT IS ACCEPTED AS GREEN AND SHALL BE OFF-LOADED IMMEDIATELY AND REPAIRED ASAP.

THE BEND IS MEASURED USING A 1 M LONG STRAIGHT SQUARE ROD. THE GAP (IF ANY) BETWEEN THE ROD AND THE UPRIGHT IS MEASURED AT ITS MAXIMUM DENT

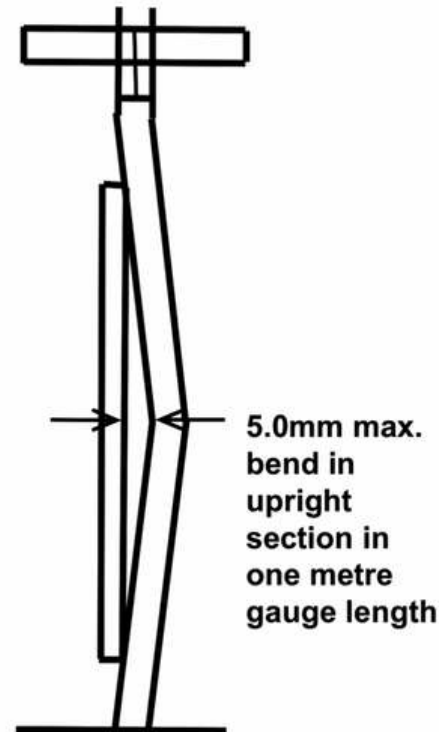
Green: ≤ 3 mm

Amber: $>3 \leq 6$ mm

Red: >6 mm



Side elevation view



Front elevation view

Green: ≤ 5 mm

Amber: $>5 \leq 10$ mm

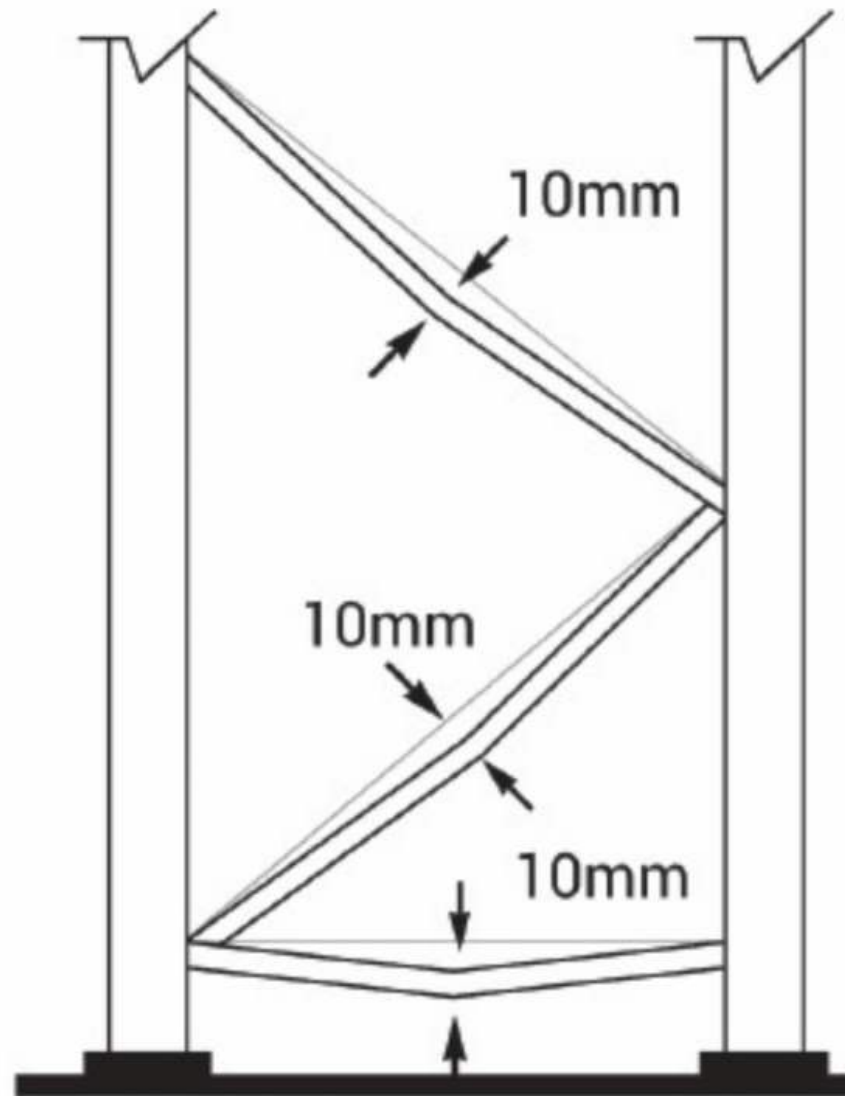
Red: >10 mm

PLEASE NOTE THAT IF THERE ARE TWO GREEN DAMAGES ON THE SAME FRAME, THEY WILL BE CONSIDERED AS AMBER. IF TWO AMBER DAMAGES ON THE SAME FRAME THEY WILL BE CONSIDERED AS RED.

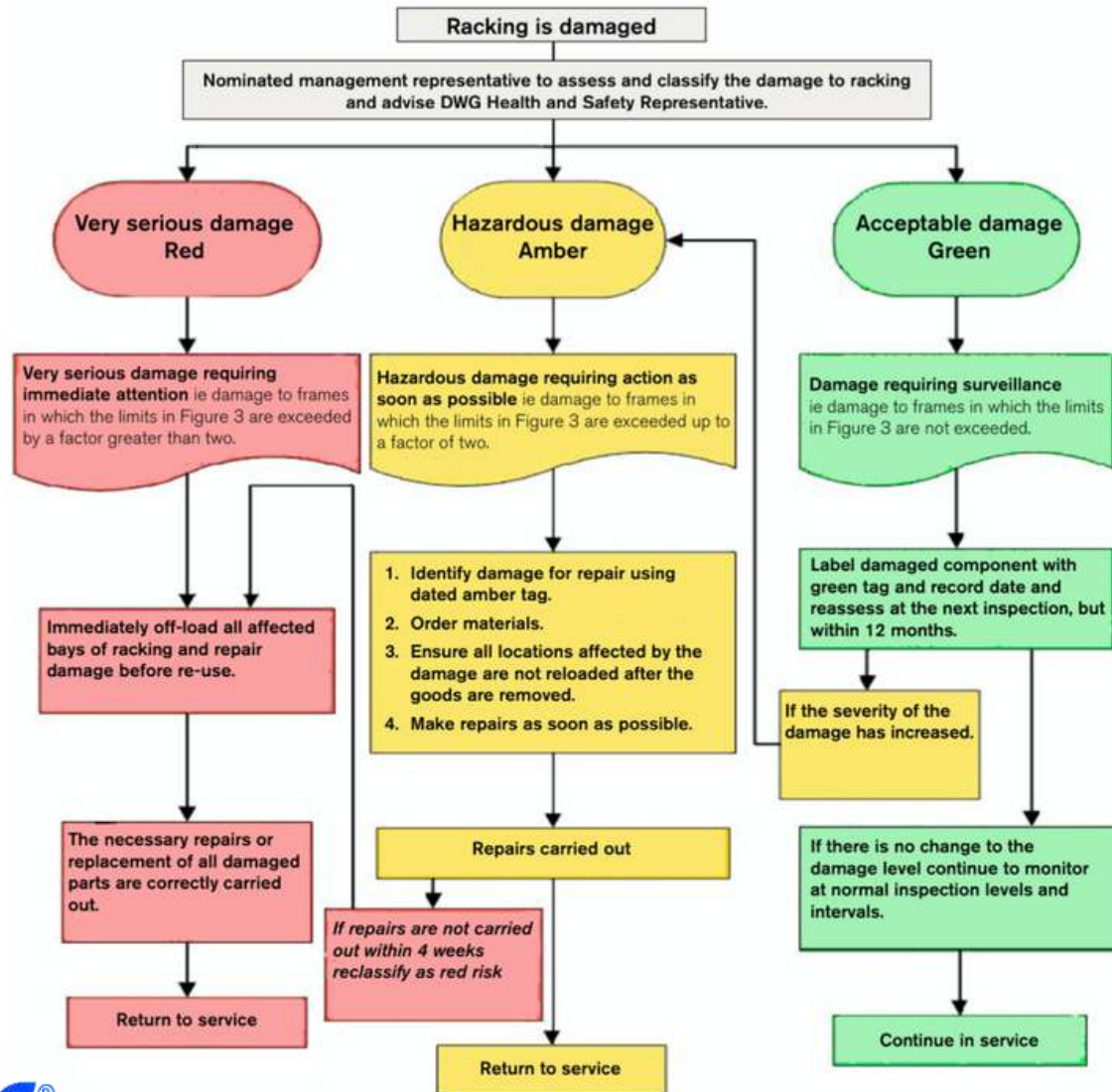
Green: ≤ 10 mm

Amber: $>10 \leq 20$ mm

Red: >20 mm



ACTION TO TAKE WITH EACH COLOUR CODE





ACCIDENTS CAN BE AVOIDED BY PROACTIVELY RECOGNIZING THE RISKS THAT OFTEN RESULT FROM LACK OF MAINTENANCE OR BY NOT RECOGNIZING FAULTS IN THE STRUCTURE OF THE INSTALLATION.

THE EUROPEAN STANDARD EN 15635 DEFINES THE TYPE AND PROCESS OF CONTROLS AND DEFINES THE LIMITS FOR RISK ASSESSMENT.



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