

EFFECT TECHNICAL SPECIFICATIONS

SPECIFICATIONS	STANDARD	RESULTS
Thickness difference between elements	EN 13329	$T_{average} < 0,50 \text{ mm}$ $t_{max} - t_{min} < 0,50 \text{ mm}$
Abrasion Resistance	EN 438	Effect: Devir > 400 Cycle > 400
Deviation from squareness of element	EN 13329	$Q_{max} < 0,2 \text{ mm}$
Length tolerance	EN 13329	$l < 1500 \text{ mm}$ $l_{difference} < 0,5 \text{ mm}$
Width tolerance	EN 13329	$W_{average}$ difference $0,10 \text{ mm}$ $w_{max} - w_{min} < 0,20 \text{ mm}$
Edgewise bending	EN 13329	$0,30 \text{ mm}$
Surface smoothness	EN 13329	$Fw_{concave} < \%0,15$ $fw_{convex} < \%0,20$ $F1_{concave} < \%0,50$ $f1_{convex} < \%1,00$
Space between elements	EN 13329	$O_{average} < 0,15 \text{ mm}$ $o_{max} < 0,15 \text{ mm}$
Height difference between elements	EN 13329	$H_{average} < 0,10 \text{ mm}$ $H_{max} < 0,15 \text{ mm}$
soundness Surface	EN 13329	$\geq 1,25 \text{ N/mm}^2$
Scratch resistance	EN 438	$> 3,5$
Light fastness	EN ISO 4892 - 2:200	EN 20105 - A02 Colour contrast between unexposed and exposed sample part ≥ 4 of grey scale according to EN 20105 - A02
Impact resistance	EN 13329	32. sınıf için IC3 / IC3 for 32th class
Determination of the effect of a castor chair	EN 425	No change or damage on appearance should occur
Determination of the effect of a castor furniture	EN 424	No visible damage should occur
Resistance to hot pots	EN 13329	Sınıf 4 / Class 4
Resistance to cigarette burns fire	EN 13329	Sınıf 4 / Class 4
Resistance to water vapor	EN 13329	Sınıf 4 / Class 4
Stain resistance	EN 13329	Sınıf 5 / Class 5
24 hours swelling in thickness	EN 13329	$< \%18$
Density	EN 323	$850-900 \text{ kg/m}^3$
Bending strenght	EN 317	40 N/mm^2
Modulus of elasticity	EN 310	3500 N/mm^2
Vertical internal bond	EN 319	$\geq 1,2 \text{ N/mm}^2$

AGT PARQUET USER GUIDE AND CONFORMITY CERTIFICATE (AC3, AC4 and AC5) IN FLOOR HEATING SYSTEMS

APPLICATION

AGT Parquet, subject to the following conditions: It is suitable to be used in heated structures from the ground.

- The floor must be dry, clean, dust free and free from corn.
- Parquet can be laid on water-heated systems at the bottom. Since laminate parquet has high heat coefficient, it does not prevent heat transfer. It uniformly distributes the heat uniformly to the surface. Because of these properties, Laminate Flooring is a suitable material that significantly reduces heating costs compared to other flooring materials.
- If the surface to be applied is an electric floor heating system, the floor heating system is suitable for laminate flooring even if it is in a slab or concrete layer.
- **Disposal of floor screed:** Floor screed; The laminate should be laid in accordance with the standards to be suitable for the application of parquet (the fluctuation on the surface should be max.4 mm in 1 meter)
- **Preheating:** Preheating is required before the installation process to bring the substrate to the proper level from the floor.
- **Concrete Floors:** Pre-heating should be done after leaving for 3 weeks according to the season conditions in newly completed structures.
- **Preheating Process:** Heating is carried out at 25 ° C for 12 hours on day 1, the heating at night is discontinued. 2nd day, Heating is carried out at 35 ° C for 12 hours, the heating at night is discontinued. On the 3rd day, heating is carried out for 12 hours at 45 ° C, the heating at night is terminated. Heating is carried out at 55 ° C on the fourth day, heating is continued without interruption at 55 ° C until the 16th day. On the 16th day, heating is carried out at 45 ° C for 12 hours, night heating is discontinued. On the 17th day, heating is carried out at 35 ° C for 12 hours, night heating is discontinued. On day 18, heating is carried out at 25 ° C for 12 hours and the system is left to rest.
- **Anhydride Floors:** After finishing for 1 week according to seasonal conditions in new finished buildings, it should be heated up.
- **Preheating Process:** The process is done as done on concrete floors.

- **Test of the Soil Foundation:** 24 hours before the end of the heating process, 50x50 cm size polyethylene film is taped from the edges and adhered to the floor. After 24 hours there is no condensation in the film and the floor is ready for installation if the color of the floor is not different.
- **Using flooring protection products:** In cases of using underfloor heating system special isolation material derivatives should be applied. These materials should have low Thermal Transmittance Resistance R (m² K / W), that means they should have good thermal conductivity, and also should have SD> 75m value for protection against moisture. It should be ensured that the isolation materials are sealed with at least 20 cm tape in order to prevent moisture penetration.
- Leave a space of 15 mm between the parquet and the wall, and the skirting boards should not fall into the parquet. That is, the floors should be laid on the floors.
- Laminate flooring in under floor heating systems is suitable up to 27 ° C. The surface temperature should not exceed 25°C.

**WE WISH YOU TO USE IT FOR GOOD DAYS, THANK YOU FOR
CHOOSING AGT PARQUET.**