

TECHNICAL BULLETIN FOR RUBBERY FLOOR PRODUCTS

1. For Chemical analysis (01,1.5/2), there must be at least 2 different reports which include first quality granul, 5 % Dow, 4 % epoxy, 4 % bor/stainless powder, 2% Carbon leaf, 2 % Carbonandum, 5 % Iron oxide and anti-static products in different years and methods from university
2. Products should be in dimensions as at least 70x100/300x120 in order to get goof competency with flooring,weight and volume.
3. All products should have wall plug and lock system for especially blocks.
4. According to their figures and designs, M2 weight of the products should be average
5. (-,+ 1/4Kgr) and (2cm thickness 19,5 Kgr,3cm thickness 25 Kgr,4cm thickness 34/39 Kgr) and got as report.
6. **The flight of stairs which are not slip and include compozit/metal/ to be used in places and parks with hard traffic should include authorization of 45/55 (SHORE ( A) Hardness ratio from University report.**
7. There should be an anti static block rubbery border and water kennel including authorization from University for especially products of manufacturer children play gardens and schools
8. All products should have Ce document which has international validity based on EU standards (It states an authorization of using in outdoor places)
9. The manufacturer, product owner and the company should have ISO 9001,ISO 4001,OHSAS 18001 documents which state 2 times auditing including application period.
10. For tha manufacurer and companies, registration of trade marks and design must be stated on their products clearly.And, these desgn figures should not be well know figures (3,4,5, 6 gonat,star,lock stone,etc.) and they should be different.
11. There should be university report for critical fall tes according to HIC experiment (270 cm)
12. They should have test report for flammability referring to DIN 4102-11998-05 standarts
13. Resistance values for electricity should be suitable according to University report and TS/EN (395 kohm)
14. It should have TSE 1176-1177/ document.
15. There should be an university report which states vertical and grounding resistance 10 above and 10 OHM below for anti static values. It prevents electric shock due to the friction force during playing in children garden for children.
16. According to TS EN 1081 ICS 83 060, the chemistry of the product should include anti static materials (Carbon,Carbonandum,etc.) and it should be stated in the report.According to this report, electirical resistance values should be 10 above 13 OHM and 0.001 OHM /M in university report.
17. All products should have Anti Static (TS 2734 ve TS EN 1081 standarts (vertical resistance 2600,grounding resistance 20.000,surface resistance 5.000 K OHM) Current MA vertical resistance 0384,grounding resistance 0.05,surface resistance 0.2 K OHM.
18. According to TS EN 1081 ICS 83 060 standart, it should have electical resistance max. 789 Volt/cm which has EN standart test report accordingly.
19. Water absorption should be 60893—2 section 8.2 mg (composit surface/ramp)
20. It should have report which is OK for water absorption and smoke flammability based on TS EN 661
21. Abbrasion should be positive according to (TS 659/EN660-1/EN 660-2)
22. It should be OK in terms of tear and tensile based on TS ISO 2285 /2001 E standart
23. It should be suitable for acoustic test (ISO 10534-2 standart) and get positive result for insulation.
24. There should be an university report for block rubbery flooring for displaying the resistance for smoke flame based on TS 11900 EN 1399
25. The results for loss of sound insulation should be 800-0.04 and loss of sound transmission average 3000/25 db,(50-6400) Hz frekans.(These results are important for especially pedestrian bridges, play garden and sport places.
26. All products should have at least 1 report authorized by chemistry and material science departmant of university for including all experiments with traffic loaded places.
27. The company should give a gurantee for abbrasion 3 years and staying on surface 7 years
28. All products above 1000 m2 should have a gurantee for maintenance (at least once in 9 months and free for 3 years)
29. All prices of the products should be authorized by ITO and other institutions related with commercial organiations.