

SPORTS SURFACES

TECHNICAL SPECIFICATIONS

INSTRUCTIONS FOR THE CONSTRUCTION OF A INDOOR/OUTDOOR TENNIS AND MULTIPURPOSE COURT ON CEMENT OR ASPHALT DECK

CONFOSPORT WS / CONFOSPORT WS T SYSTEM

1 Preparation of the deck

- a) Asphalt decks must be compact and well-levelled, with no traces of oil, grease or moisture, and should be allowed to oxidise for at least 3 - 4 weeks (see the specifications for preparation of asphalt decks);
- b) Concrete decks must be compact and clean, with no traces of oil, dust or moisture, protected by a vapour barrier and the humidity on the screed should be no more than 3% (see specifications for constructing concrete decks). If the humidity on the screed is above 3%, contact Casali's Technical Office.

2 Application of the resin cycle

- a) Lay the prefabricated granular rubber mat Spormat (4 - 5 - 6 mm or higher) over the complete surface. Allow to stand for at least 24 h.
- b) Glue the Spormat with the proper product, using a notched trowel. In case of asphalt deck use Pavisint Glue 80 with a consumption of 1.2 - 1.5 kg./sq.m. In case of cement deck proceed as follows:
 - in case of outdoor cement or indoor with relative humidity between 3 and 4% use Paste Ep 11 with a consumption of 1 kg./sq.m.;
 - in case of indoor cement with relative humidity < 3% use Pavisint Glue 80 with a consumption of 0.8 - 1.0 kg./sq.m.Coverage may vary according to the porosity of the deck. Always use the product within its pot life.
- c) After hardening (approximately 12 hours for a partial but sufficient hardening) use a rubber squeegee to apply Comfort Sealer, an acrylic resin based coating containing select sands (specific weight 1.5 kg./cu.dm.) using 0.5 kg./sq.m. of product. One coating of Comfort Sealer is sufficient to seal the mat;
- d) After allowing the product to dry (at least 4 hours), use a rubber squeegee to apply 3 coats of Comfort Coating WS, a concentrated coloured acrylic resin based coating (specific weight 1.25 kg./cu.dm.), using 0.75 kg./sq.m. of Comfort Coating WS + 0.75 kg./sq.m. of quartz sand 0.1 - 0.3 mm applied in 3 coats (for each coating apply 0.25 kg./sq.m. of Colorsint WS + 0.25 kg./sq.m. of sand). Add the quartz sand (0.1-0.3 mm selected and dry) and clean water (about 30% of the total weight of the mixture), stirring slowly. Apply 3 coats with the following Comfort Coating WS / quartz sand ratio

First layer	50:50
Second layer	50:50
Third layer	50:50

If necessary, brush the surfaces between coatings with a brush. To obtain a smoother finish, apply the last coating with a Comfort Coating WS / quartz sand mixing ratio of 60:40;

- e) ONLY IN THE CASE OF THE CONFOSPORT T SYSTEM APPLY THE TOP FINISH AS FOLLOWS: use a roller to apply 2 coats of Top, a acrylic resin based finishing paint (specific gravity 1.32 kg./cu.m.) using at least 0.25 kg./sq.m per coating. Remember to cross the coatings so as to smooth down the roller marks. Allow the first coating to dry (for at least 3 hours) before applying the second coating; dilute Top with 10% or 20% water according to the tool used to apply the product;
- f) Mark in the lines with Pitlinea, a high-coverage acrylic-based paint, as it or diluted with 20% water if applied by spray. If necessary, apply a second coating of paint over the lines once the first coating has dried;
- g) In order to make the court easier to clean and extend the life of the court of the only Confosport T system, apply a coating of Acrylux (a transparent acrylic finish, specific weight 1.04 kg./cu.m.) by brush, roller or spray, using at least 50 ml/sq.m. of product.

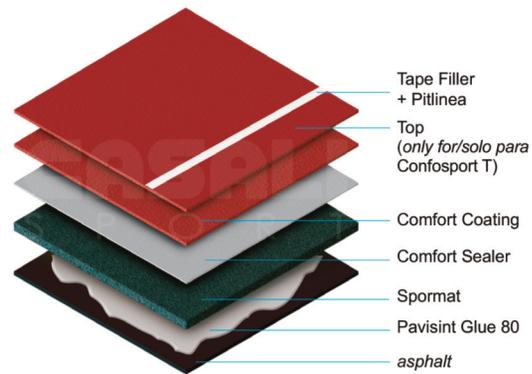
*The data provided by these data sheets are approximate and the Company reserves the right to modify the same for technical reasons, without prior notice. The solutions proposed do not represent all the possible uses but are merely case studies deriving from Casali's installation experience and are therefore intended only for purposes of illustration. The user is exclusively responsible for the way the products illustrated are used, whether properly or improperly, for evaluating in advance the suitability or otherwise of the product for its requirements and exerting the utmost caution in handling chemical products. **Important: to ensure best colour uniformity of surface laid products, we recommend that you use materials from the same production lot as finishing layer. The Technical Office of Casali's Synthetics Division is at your complete disposal for any further specific information or explanations you may require (phone 071 9162095).***

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Certification

- Confosport system is certified by the ITF in Speed Class 3 (Medium)
- Confosport system is certified as Bfl-s2 for reaction to fire and was tested by the Giordano Institute with test report no. 302623 dated 31/10/2012
- Confosport system is certified for Netball in category 3 in accordance with AENA standards and was tested by Labosport with test report no. LSUK.12-0218A
- All standard colours contribute effectively to the containment of the heat barrier effect (CAM/GPP-EC Decree) by achieving SRI (Solar Reflect Index) >29. For example, the light blue 302 colour has an SRI of 49. Please consult the Casali S.p.A. technical department for the data of the individual colours.
- All material - in perfect accordance with the Minimum Environmental Criteria (CAM) standards and the "Waste Hierarchy Principle" that rewards prevention in the production of waste itself - is packaged in 100% recyclable metal drums. Due to the packaging of the resin formulation inside plastic bags, these drums remain completely clean at the end of the product's use and therefore, as opposed to the usual plastic containers, entirely recyclable. This reduces the production of plastic packaging and packaging waste by more than 94%, significantly reducing the loading, transport and delivery of these non-recyclable materials to authorised PPWDs.



Test results in accordance with EN 14877: 2013 (synthetic surfaces for outdoor sports areas) of Confosport

Test	Requirement	Result	Unit	Condition	Pass/Fail
Friction	80 – 110	84	-	Dry 23 °C	Pass
	55 – 110	73		Wet 23 °C	Pass
Vertical deformation	≤ 6.0	0.6	mm	23 °C	Pass
Vertical bounce	≥ 85	93	%	23 °C	Pass
Resistance to abrasion	≤ 4.0	2.3	g	New 23 °C	Pass
		2.1		After UVA	Pass
Color change	≥ 3 grey scale	4 – 5	-	After UVA	Pass
Tensile strength	≥ 0.4	0.81	MPa	New 23 °C	Pass
Elongation	≥ 40	91	%	New 23 °C	Pass
Absolute thickness	≥ 7	7.0	mm	New 23 °C	Pass

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