



DYNAPoint

POWERED BY



SPORTS AND LEISURE
**SYNTHETIC
SURFACE
SPECIALISTS**

INDOOR
MULTISPORT



YOUR SUPERIOR CHOICE IN SYNTHETIC SURFACING

Dynapoint Sports Floors are moving into Colleges, State Schools, and regional sporting facilities around Australia and New Zealand

APT is the global leader in high-performance engineered sports surfaces. We offer a variety of Dynapoint® flooring systems, manufactured in our Australian production facility, and available in range of configurations – from standard +2 systems for gym/multi use, to +3 and +4 systems for extra-heavy-duty use.

If you're considering renovating or replacing your gymnasium or multi-sport flooring, there are usually two main options to choose from – wood, or a poured polyurethane surface. Yet while hardwood is the traditional surface of choice, synthetic surfaces like poured polyurethane are increasingly proving to be the more durable and affordable option.

Why polyurethane flooring?

Polyurethane surfaces generally cost around a third less than a wooden floor, and they also offer much greater versatility. They form the ideal playing surface for basketball, volleyball, indoor tennis, jogging and more – and while wood flooring can be much more sensitive to water damage or heavy foot traffic, a polyurethane surface is durable enough to handle the toughest of activities, as well as other non-sporting events like meetings, dances and community events.

Superior shock-absorption

One of the key advantages of polyurethane flooring is its increased ability to absorb impact. Sprung timber flooring generally provides

up to 30% shock absorption per 80kg or more of body weight – but Dynapoint flooring offers more than twice that amount, with up to 30% shock absorption per every 35kg or more of body weight. That's particularly important if you have children and young people using your floor, as they have a far greater injury risk, being more inclined to fall down more during sports, gymnastics or other physical activities.

Why Dynapoint?

The specialised polyurethane materials used to make Dynapoint floors are poured in-situ, creating a seamless, odourless, easy-to-maintain surface.

During construction, tailored performance characteristics can also be included, to provide varying levels of shock absorption and firmness – ensuring optimal conditions for activities like weights, aerobics or sprint lanes.

With its cushioned, point elastic properties, Dynapoint flooring offers superior comfort and versatility. From community sports and recreation spaces to elite athlete training centres, Dynapoint's diverse range of surfacing systems are the ideal choice for any gymnasium or indoor sports venue.

Speak to us today to find out more, and start enjoying years of advanced performance from your new Dynapoint sports flooring system.

DYNAPoint

Classic

Dynapoint Classic is an indoor point elastic sports and multi-functional surface. This resilient and seamless sandwich system delivers more comfort and easier on the body than timber or vinyl floors. The **Dynapoint Classic** is designed to meet International standards for many sports with a high capacity to dampen sound making it ideal for schools, community and social events. The **Dynapoint Classic** is an impermeable system that's hygienic, does not absorb odours and easy to clean.



Areas of Use

Suitable for Olympic and International venues, Schools, Community Sports Clubs, Fitness and Gyms, Recreational areas

Purpose of Use: Multi-Sports

Competition Sports
Recreational Sports
Training

Purpose of Use: Fitness

Gymnastics
Yoga
Aerobics
Dancing
Martial Arts

Purpose of Use: Multi-Purpose

Community Events
Exhibitions
School Performances
School Activities



OUR DIFFERENCE

Dynapoint Classic is a resilient, seamless sandwich indoor sports flooring system. Composed of prefabricated recycled rubber mat adhered to the substrate and coated with a minimum 2mm premium polyurethane wear coat. Finished with two layers of premium polyurethane matte top coats.

The unique Qualipur resins exclusive to APT are designed for superior performance, durability and easy maintenance. The result is an exceptionally multi-use surface with optimum playing properties and a considerably longer lifespan.

The **Dynapoint Classic** is a true “Dual Durometer” sports and multi-functional flooring system.



IST TEST RESULTS: In the table below the test results are summarised and opposed to the requirements of DIN 18032-2:2001-4

| Test according to DIN 18032-2 Climate during Testing | Test Results average value 21oC 55% r.L. | Requirements acc. DIN 18032-2 point-elastic Surface Systems 23/50-2 DIN 50014 |
|---|--|--|
| Force Reduction FR% | 23 | Category 2: min. 45 |
| Standard StD mm Deformation | 0.7 | Category 2: max. 3.0 |
| Ball Rebound | 99 | min. 90 |
| Sliding Behaviour | 0.42 | min. 0.4 max. 0.6 |
| Rolling Load without Damage RL N | 1000 | 1000 |
| Impact Resistance Nm | 11 | min. 8 |
| Remaining Indentation | 0.06 | max. 0.5 |

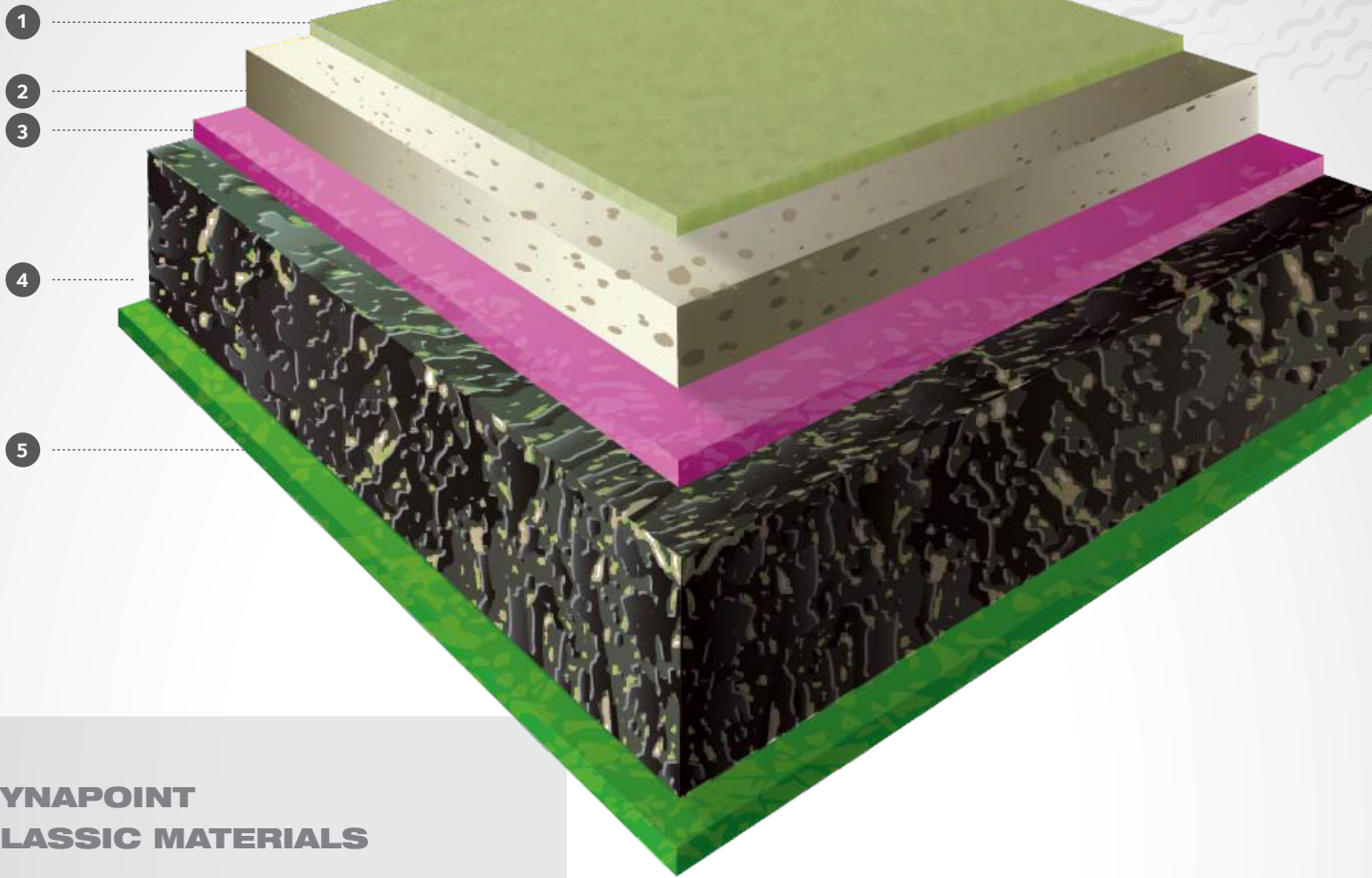


IST TEST RESULTS: In the table below the test results are summarised of the additional ASTM tests performed with the PUR coating (wear layer): Tensile Strength ASTM D 412; Taber Abraser ASTM D 4060; Tear Strength ASTM D 624:

| Tests: | Standard Climate 23/50 DIN 50014 | Constant Heat Climate 80°C/14d |
|---|--|-----------------------------------|
| Tensile Strength N/mm ² ASTM D 415 | 18.4 | 15.4 |
| Elongation at Break % ASTM D 412 | 813 | 638 |
| Taber Abrasion ASTM D 4060 (500g/H18/3000 Revolutions) Loss of Weight g | 0.17 | |
| Tear Strength N/mm ASTM D 624 | 37.3 | |



SYSTEM STRUCTURE LAYERS



DYNAPOINT CLASSIC MATERIALS

- A. All component materials shall be non-hazardous and not contain ANY lead, mercury, nor any heavy metals, PCB, or formaldehyde.
- B. *Qualipur 102 Primer* (if specified or necessary) shall be a two-component epoxy.
- C. *Qualipur 2560 Adhesive* shall be two-component polyurethane.
- D. *Base mat* shall be a prefabricated recycled rubber mat made of all recycled rubber granules bound with MDI polyurethane and manufactured to a constant thickness.
 - 1. *Base mat density*: 750 kg/m minimum
 - 2. *Base mat thickness*: 7mm (optional thickness 4mm, 5mm, 7mm, 9mm or as specified).
- E. *Qualipur 4550 Pore Filler* (mat sealer): Two-component, thixotropic polyurethane compound.
- F. *Qualipur 5610 Wear Coat*: Two-component, pigmented, self-leveling and seamless polyurethane.
 - 1. *Total wear thickness* – 2.00mm throughout the floor.
 - 2. *Pigmented colour*: gray (standard).
- G. *Qualipur 6800 Top Coat* (matte finish): Two-component polyurethane. Select from standard colours.
- H. *Qualipur 7600 Line Paint*: Two-component polyurethane. Select from standard colours.

- 1 The Qualipur matt top coat is applied in two layers, it has excellent durability and delivers an optimal balance between slide and friction. It is non glare and available in 14 colours & design options.
- 2 The Qualipur flexible wear coat is applied in 2-3mm thickness designed to be durable and able to withstand a high load. This unmatched durability is in the strength of the Qualipur resin.
- 3 The Qualipur porefiller is an advanced polyurethane sealer that is applied in two layers to seal the top and edges of the mat.
- 4 The rubber shock pad is available in various sizes ranging from 4mm – 12mm thick. The prefabricated rubber mat is made from 100% recycled rubber and is manufactured to specific densities that provide the right balance of force reduction while supporting player development and being easy on the body.
- 5 The Qualipur Adhesive provides maximum adhesion between the shock pad and the substrate. It is designed to use on concrete or asphalt bases.



3000kgs

QUALIPUR COMPONENTS IN

700m²

DYNAPOINT FLOOR

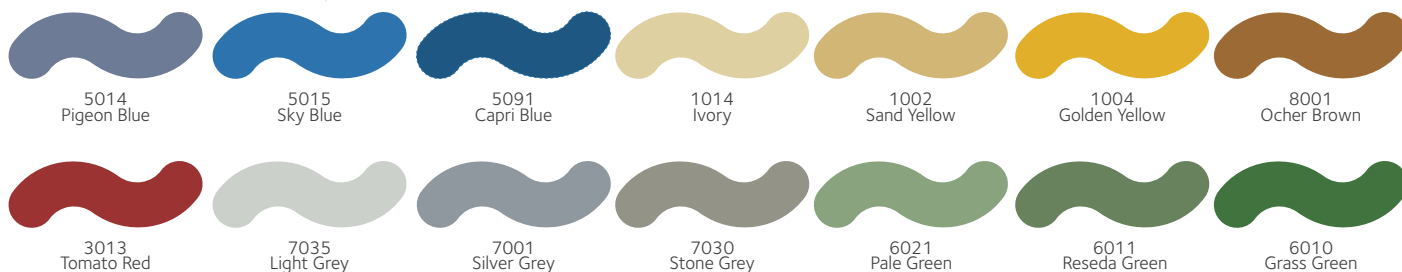
THAT IS OVER

300,000kgs

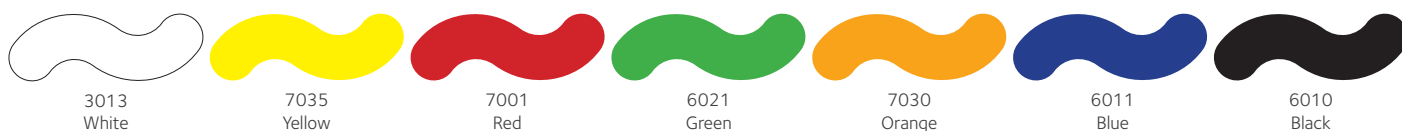
(EXCLUDING RUBBER SHOCK PAD)

Colour Chart for Professional and Recreational Sporting Surfaces

Colours are as accurate as possible. Slight variations may occur due to job site conditions, mixing proportions and installation methods. Custom colours are available upon request.



Line Marking, Available Colours



GUIDELINES FOR THE **CARE AND MAINTENANCE** OF YOUR DYNAPPOINT SYSTEM

Regular cleaning and maintenance of the Dynapoint surface is required to ensure the beneficial features of our Dynapoint sports floor are as to not cause damage.



1. For a period of up to 6 months after the delivery of your new Dynapoint Sports Floor the floor must be cleaned with a soft brush or pad and a cleaning solution consisting of 1 part PH 7 to 30 parts water.



2. It is important to prevent high soap concentrations in the cleaning solution this will result in a shiny and slippery soapy film. Furthermore, cleaning with water colder than 15°C should be avoided as the soap will not dissolve at a low temperature.



3. More Care Information: Cleaning machines should be set at low speed (up to 150 rev./min.). Chewing gum residue can be removed with CO₂ (carbonic acid). The use of a high-quality floor mat in the entry reduces the amount of dirt and sand deposited on the floor.



2. WET CLEANING:

Wet wiping is generally carried out once a week or as necessary. If suitable cleaning machines are used it is very important to observe the wheel load capacities. The machine should not exceed the maximum values stipulated below:

- a. Wheel Load MAX 150N; and
- b. Ground Pressure MAX 0.5 mm²

A cleanser may be added to the wiping water. The cleaner should be a low foaming pH Neutral detergent free from wax. If the use of a cleaning machine is employed it should not have abrasive pad and should only have suitably soft rubbing brushes (if necessary defoaming agents have to be added complying with the manufacturer's instructions).



3. GENERAL CLEANING:

General cleaning should be carried out after sporting events or as required depending on usage to prevent dirt build up. Any cleaning agent must be low foaming pH Neutral free from wax, similar to:

- a. Peerless Gymclean Sports Floor Maintainer
- b. Agar PH 7 Floor Cleaner

CLEANING METHODS



1. DAILY WIPING OR DRY VACUUM CLEANING

Daily damp wiping or dry vacuum cleaning is necessary whenever the Dynapoint surface is dusty or the gym is used daily. Damp wiping can either be carried out manually (with damp mop/ cleaning rag and bucket) or by machine. A cleanser may be added to the wiping water similar to:

- a. Peerless Gymclean Sports Floor Maintainer
- b. Agar PH 7 Floor Cleaner

Any cleaner should be a low foaming pH Neutral detergent free from wax. Mixing ratios in water are according to the detergent manufacturer's instructions. The cleaning detergent has a considerable influence on the durability of the surface. Prior to using a detergent for the first time it is prudent to spot test it in an inconspicuous location to ensure it does not have any adverse effect on the surface.



4. REMOVAL OF STAINS/STRIPES CAUSED BY SHOE HEELS:

Stains and stripes caused by shoe heels can be best removed by a solvent free cleaning paste or by cleaning powder. For this purpose, only light nylon pads may be used. Burns can be best removed by very gently rubbing steel wool with care not to scour the surface.

For installations or maintenance of a Dynapoint Sports Floor, please contact an accredited APT Asia Pacific agent or call us on 1800 652 548



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AUSTRALIA | EUROPE | ASIA | NEW ZEALAND | USA

PRODUCT FEATURES

| | CLASSIC |
|---|---------|
|  Excellent Sports & Multi-functional surface | ■ |
|  Consistent ball bounce | ■ |
|  Injury reduction | ■ |
|  IHF certified | ■ |
|  ISO 9001 certified & ISO 14001 Certified | ■ |
|  High Shock absorption | ■ |
|  Extreme wear resistance | ■ |
|  High load bearing and tensile strength | ■ |
|  Proven, simple maintenance processes | ■ |
|  Totally re-coatable system | ■ |