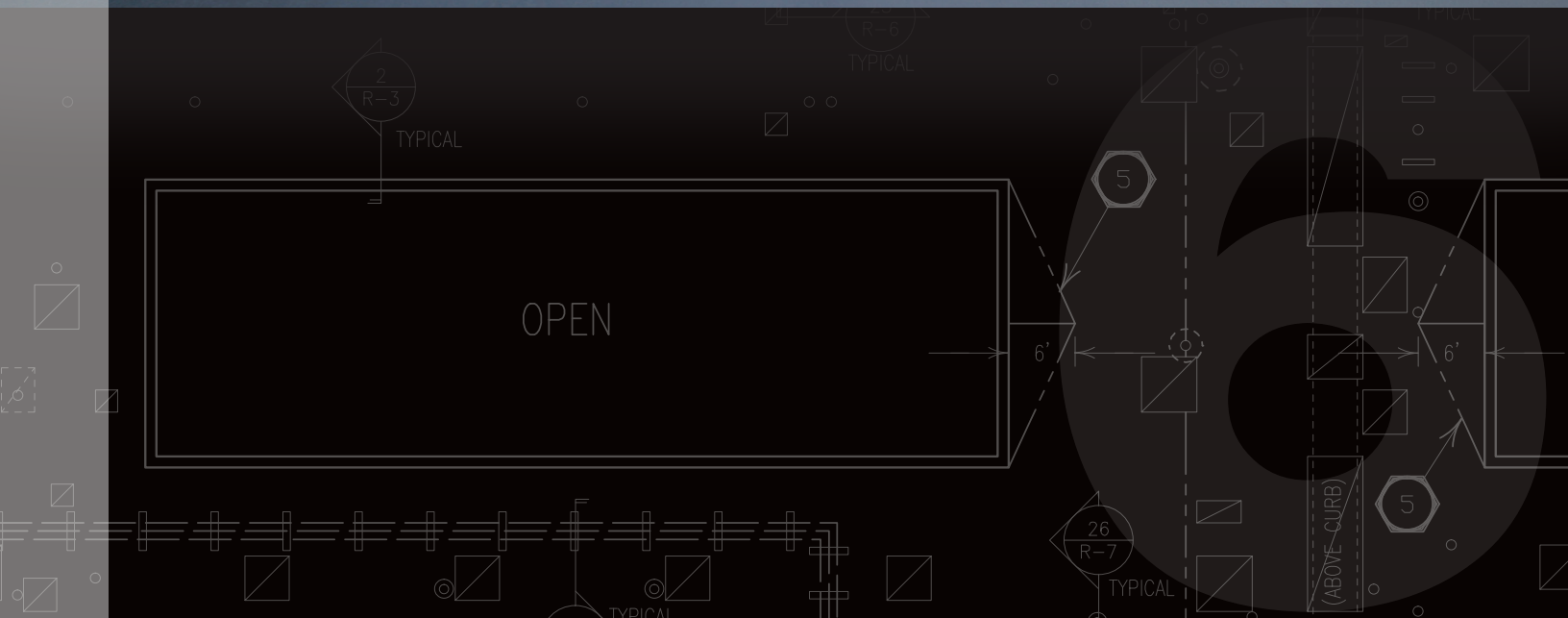


Terapro Waterproofing & Surfacing Systems



High performance. Quick application. Unlimited possibilities.

With Pro Color Finish, a Terapro application can become a distinctive accent area.

Innovation

One of the most successful commercial product innovations of the last century occurred in the 1930s when polymethyl methacrylate resins, commonly known as PMMA, were first synthesized. Practical applications for the new resin, which included everything from aircraft windshields to dentures, soon followed. The material proved to be exceptionally durable, and the use of PMMA grew rapidly. But in spite of its outstanding performance, the material was too rigid for use in waterproofing applications – until the 1970s.

The Terapro VTS System provides a hard-wearing waterproofing solution for vehicular traffic areas.



That's when a PMMA formulation was developed that, once cured, was resilient rather than rigid. Today, Terapro Waterproofing and Surfacing Systems offer all the benefits of PMMA technology in products that meet the performance standards of Siplast.

Terapro Performance **Advantages**

Waterproofing applications benefit from the numerous advantages PMMA resins hold over other liquid-applied waterproofing systems. Terapro resins are VOC compliant, and unlike many polyurethane materials, are solvent-free, and isocyanate-free. Terapro Systems provide exceptional:

- Abrasion resistance.
- Weather resistance.
- UV resistance.
- Durability.

Terapro Application Advantages

In addition to performance advantages, Terapro resins offer a dramatic application advantage over other liquid-applied, layered systems – application speed. A Terapro System can be

applied and trafficked within an 8-hour day, which is a significant financial and practical benefit for hotels, condominiums, and public facilities. By comparison, polyurethane and polyester systems can require a cure time of up to three days before they can withstand traffic without sustaining damage. Terapro systems are not highly sensitive to atmospheric humidity during application, as are other liquid-applied systems. And importantly, Terapro base and flashing resins can be applied in temperatures as low as 23°F – allowing a much greater window of opportunity than other liquid-applied products such as polyurethane and polyester systems, which are limited by a minimum application temperature of 40°F.

Quality

Siplast Terapro resins are manufactured at our North American liquid resin manufacturing facility. In the Resin Laboratory, stringent quality control tests are performed on every batch of material we produce to ensure that all Terapro products meet key performance criteria. In addition to product quality control, the Resin Laboratory continually studies issues related to application quality control, long-term performance, and resin compatibility.

Siplast is committed to placing the same emphasis on quality, long-term waterproofing solutions for pedestrian and vehicular traffic areas that has built our strong reputation as an industry leader and innovator in advanced roofing and waterproofing systems.

Application

We recognize that providing quality products does not guarantee a successful job, so Siplast provides a network of trained contractors and field technical support. Terapro Systems are installed exclusively by Siplast Terapro Select Contractors. These independent professionals have met the qualifications of the toughest contractor certification program in the industry – ours. Their proven skill and dedication have demonstrated time and again that they regard themselves as members of a team dedicated to installing great waterproofing systems.

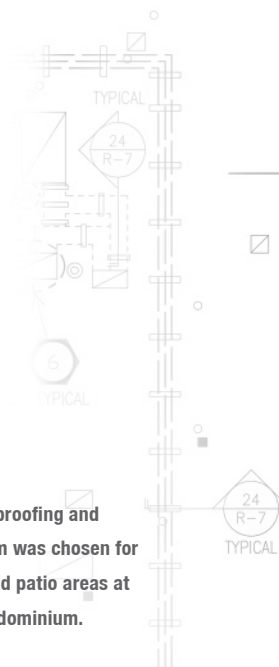
Guarantee

Siplast offers a written guarantee covering workmanship and materials on all approved Terapro projects when Siplast materials are applied by a Siplast Terapro Select Contractor, provided all pre- and post-job procedures have been followed. Contact your Siplast Representative for a full explanation of the Siplast Terapro Guarantee.

Products

Every project is unique. That's why Siplast offers a variety of Terapro formulations and surfacing options to enable you to select the Terapro System that perfectly matches your requirements.

A Terapro Waterproofing and Surfacing System was chosen for the walkways and patio areas at this Virginia condominium.



Terapro Waterproofing and Surfacing Systems

	Terapro		Terapro VTS	
Surfacing Options:	Pro Natural Quartz with ProColorFinishandOptional Pro Accent Chips	Pro Color Finish with Pro Texture Beads and Optional Pro Accent Chips	Surfacing Options:	Pro Natural Quartz with Pro Color Finish
Applications			Applications	
Pedestrian Accessible Balconies and Walkways Over Unoccupied Space	<p>Color Finish Layer Optional Accent Chip Blend Surfacing Wearing/ Waterproofing Layer Substrate Primer Layer Surfacing Aggregate</p>	<p>Color Finish with Texture Beads Optional Accent Chip Blend Surfacing Wearing/ Waterproofing Layer Primer Layer Substrate</p>	Vehicular Traffic Areas OverUnoccupiedSpace	<p>Wearing/ Waterproofing Layer Surfacing Aggregate Color Finish Layer Primer Layer Substrate</p>
Pedestrian Accessible Balconies and Walkways Over Occupied/ Conditioned Space	<p>Color Finish Layer Optional Accent Chip Blend Surfacing Surfacing Aggregate Waterproofing Layers 1 & 2 Substrate Wearing Layer Primer Layer Reinforcing Fleece</p>	<p>Color Finish with Texture Beads Optional Accent Chip Blend Surfacing Waterproofing Layers 1 & 2 Substrate Wearing Layer Primer Layer Reinforcing Fleece</p>	Vehicular Traffic Areas Over Occupied/ Conditioned Space	<p>Wearing Layer Surfacing Aggregate Color Finish Layer Waterproofing Layers 1 & 2 Primer Layer Reinforcing Fleece Substrate</p>

Terapro Waterproofing and Surfacing for Pedestrian Access Areas

Balconies, walkways, and terraces are among the most distinctive components of building design, and as exposed structural elements they face a widely varied set of requirements. Obviously, they must be waterproof and resistant to weather and environmental damage. But since they are highly visible, aesthetic considerations are extremely important. They must be able to withstand foot traffic and abrasion. And, because they are in high access areas, application must be safe and fast. The Terapro Waterproofing and Surfacing System was designed to meet these requirements.

The Terapro Waterproofing and Surfacing System is a liquid-applied, layered application consisting of one coat of primer, waterproofing/ wearing layers, a hard-wearing surfacing, and a finish layer. Reinforced systems for use over occupied/conditioned interior spaces include a polyester fleece fabric for additional waterproofing

protection. Each layer of the system consists of a catalyzed PMMA resin. The completed high-mil thickness application is resilient, monolithic, seamless, durable, and resistant to UV, foot traffic, mechanical abuse, and many environmental contaminants.

Both reinforced and unreinforced Terapro Waterproofing and Surfacing Systems for pedestrian access areas are available with these standard surfacing options:

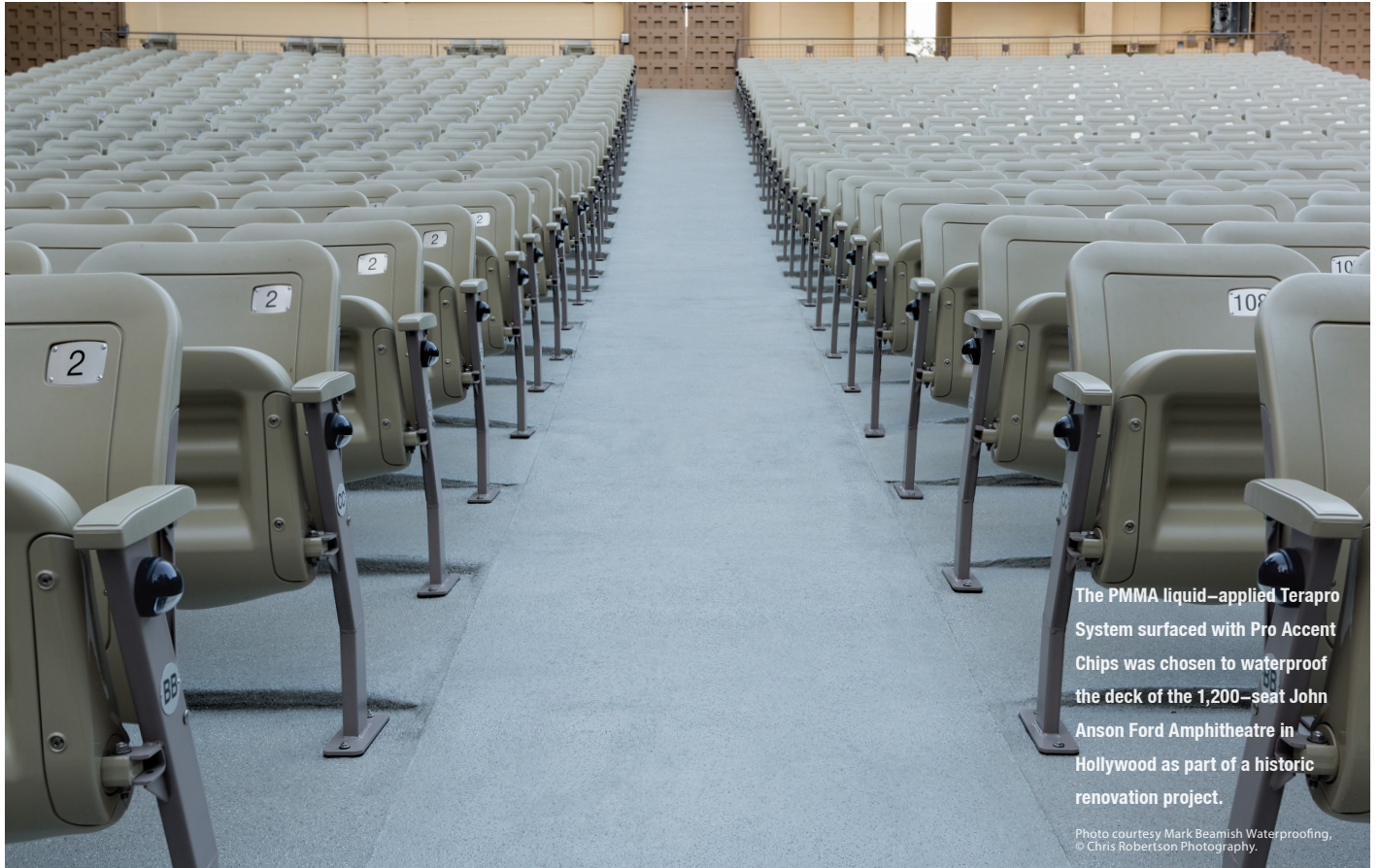
- Pro Natural Quartz with Pro Color Finish.
- Pro Natural Quartz with Pro Color Finish and optional Pro Accent Chips.
- Pro Color Finish with Pro Texture Beads.
- Pro Color Finish with Pro Texture Beads and optional Pro Accent Chips.

Balconies can become interesting accent areas with the Terapro Waterproofing and Surfacing System.



The fast-curing properties of PMMA make the Terapro Waterproofing and Surfacing System an efficient solution for highly trafficked areas such as pedestrian walkways.





The PMMA liquid-applied Terapro System surfaced with Pro Accent Chips was chosen to waterproof the deck of the 1,200-seat John Anson Ford Amphitheatre in Hollywood as part of a historic renovation project.

Photo courtesy Mark Beamish Waterproofing, © Chris Robertson Photography.

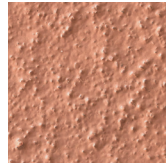
Pro Color Finish



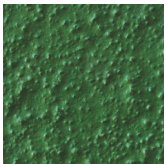
Beige #1015



Gray #7044



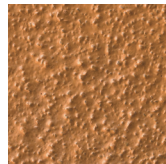
Terracotta #8081



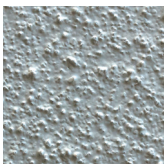
Green #6002



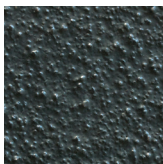
Beige #1019



Teak #8023



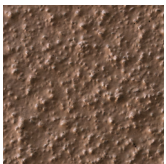
Gray #7042



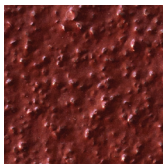
Gray #7043



Gray #7035



Brown #8025

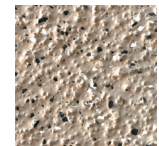


Red #311910

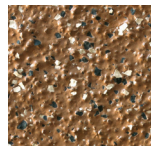
Terapro Systems can be surfaced with hard-wearing Pro Natural Quartz and Pro Color Finish for high traffic conditions or Pro Color Finish and Pro Texture Beads for lighter duty applications. Both surfacing options offer skid resistance and a solid color, simple, clean appearance. Easy to clean Pro Color Finish is available in a variety of standard colors, which can be used alone or applied in patterns for dramatic effects or practical purposes such as designating traffic paths.

Pro Accent Chips, available in a black/white or black/tan blend, can be broadcast into the wet Pro Color Finish just following application, creating a variegated aesthetic, breaking up the monolithic appearance of the solid color finish.

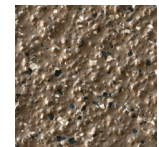
Pro Color Finish with Pro Accent Chips



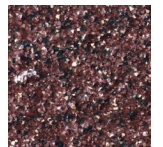
Tan PAC 50



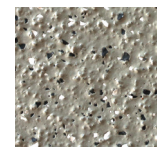
Camel PAC 60



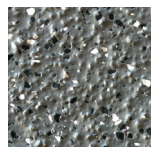
Brown PAC 70



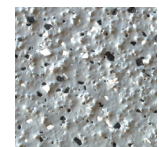
Red PAC 80



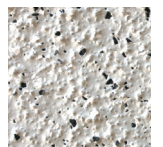
Patina PAC 40



Med. Gray PAC 30



Lt. Gray PAC 20



White PAC 10



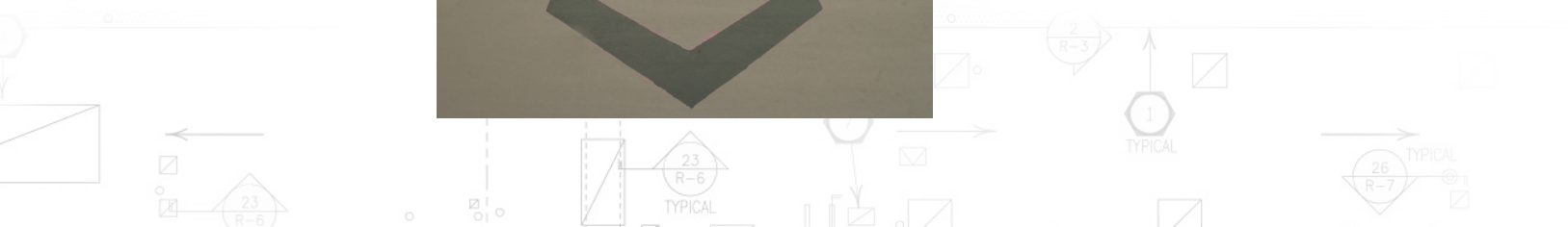
The Terapro VTS System provides a high performance solution to the demanding waterproofing challenges of parking deck applications.

Terapro Waterproofing and Surfacing for Vehicular Traffic Areas

The Terapro VTS System is a liquid-applied, layered application consisting of one coat of primer, a filled waterproofing layer, a hard-wearing quartz surfacing, and a durable pigmented finish layer. Reinforced systems for use over occupied interior spaces include a polyester fleece fabric for additional protection. Each layer of the system is comprised of a catalyzed PMMA resin.

Terapro VTS bond strength, together with tough crystal quartz surfacing, lends a level of durability to the system that is not found in parking deck coatings.

The completed high-mil thickness application is monolithic, seamless, and more than twice the thickness of other products marketed for use in parking deck applications. The Terapro VTS System is designed for performance in the difficult parking deck environment by taking advantage of the properties of PMMA. These properties allow Terapro VTS to achieve both a bond to the substrate and an interlaminar bond that are superior to that of other products. This tenacious adhesion results in improved resistance to disbonding under the loads imposed by heavy vehicular traffic. Terapro VTS bond strength, together with the tough crystal quartz surfacing, lends a level of durability to the system that is not found in parking deck coatings.



After hard-wearing VTS Quartz is immediately broadcast into the wet VTS waterproofing layer, a final layer of Pro Color Finish is applied to complete the system. Pro Color Finish is available in a variety of standard colors, and can be used to designate traffic paths, create long-wearing traffic markings, and provide low-maintenance color coding for parking garages.



With the Terapro VTS System, optional color finishes can be used to brighten parking decks and provide opportunities for color coding parking levels or coordinating with signage.



Application of a Terapro VTS System is extremely efficient, due to the fast-curing properties of PMMA.

The Terapro VTS System provides a high performance solution to the demanding waterproofing challenges of parking deck applications like this one, on a large shopping mall in the Pacific Northwest.



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Terapro VTS provided a durable
waterproofing solution for this Police
and Fire Department parking deck.

Cover Photo:

The Terapro VTS System can meet the
unique waterproofing challenges of
the parking deck environment.



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