CONTRACTORS GUIDE TO:

RUBAPAVE SAFETY SURFACING

BY RUBAROC

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ACKNOWLEDGEMENTS

The content of this guide was developed using over 38 years of installation experience acquired by the Rubaroc team in the rubber safety surfacing industry.

Rubaroc has attempted to ensure that all information contained in this guide is correct; however, there is a possibility that this guide may contain errors. Please review all critical designs with your local Rubaroc representative prior to installation. Final determination of the suitability of any information or material is the sole responsibility of the user. Products mentioned herein are subject to regional availability. Check for product availability at your local Rubaroc location or online at rubaroc.com.

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INTRODUCTION

As North America's oldest rubber surfacing company Rubaroc has a long tradition of professional and long lasting installations. We recognize the growing need for rubber safety surfacing installers across the United States and Canada. We are proud to support our contractors through training, distribution and on-going support.

This manual is a basic guide for the installation of any type of project(s) involving Rubaroc safety surfacing. Hands-on training is also available at Rubaroc training workshops and free introductory courses. For a listing of seminars near you, visit www.rubaroc.com.

OVERVIEW OF SAFETY SURFACING CONCEPTS

CONCEPT

Rubber safety surfacing has been installed since the 1970s throughout Europe. It was originally used specifically for horse stable and athletic facilities.

In 1983 rubber safety surfacing was brought to North America by our founder Barry Meakings. The potential residential market applications were quickly realized, and in 1986 the first commercial rubberized pool deck was installed in Garland, Texas.

ADVANTAGES

Rubaroc prides itself on safety, style and durability, and manufacture our products with these values in mind. We provide contractors with high quality rubber granules and specialized resins to complete a variety of installations.

Rubaroc safety surfacing offers a great variety of advantages compared to standard interior and exterior surfacing:

Non-slip - The unique rubberized properties of Rubaroc safety surfacing creates a non-slip surface, even when wet.

Durability - Rubaroc surfaces are made using the highest quality of rubber and resin, resulting in a durable surface that lasts for decades. The high compressive properties and high flexibility makes safety surfacing highly resistant to salt scaling, a common problem with some types of concrete, and ground movements due to the freeze and thaw cycles.

Maintenance - With proper installation, Rubaroc safety surfacing requires low maintenance.

Accessories - Accessory products for safety surfacing, such as logos and glow-in-the-dark accents, are available to transform outdoor spaces into more unique and functional areas.

Modularity - Rubaroc safety surfacing can be installed in a variety of patterns, including curves, straight lines and intricate designs, and add unique touches to every space. Rubaroc design applications are only limited by your imagination.

Simple tp use - Rubaroc safety surfacing is a simple system consisting of primer, rubber granules and resin. Many installations are completed within one day.

Freeze-thaw resistance - Frost damage is virtually nonexistent. Rubaroc flexes during the freeze and thaw cycle preventing cracks from occurring.

Porous - Rubaroc allows unto 70% of surface water to flow through to the substrate, limiting the amount of dangerous water and ice to accumulate.

RUBAPAVE

CONCEPT

RUBAPAVE® was developed in the late 90s and was first used on the walkways and cart paths at the Valderrama Golf Club in Spain. The durability and safety features of the rubberized surface are unmatched by any other overlays offered in today's market.

RUBAPAVE® combines SBR rubber sourced from recycled tires and a specially formulated polyurethane binder, to create a stunning solution for driveways, garages, parking lots and pathways. RUBAPAVE can be installed over concrete, asphalt, interlocking brick, stone/aggregate and more. As it is made from recycled tires, you can feel good about keeping tires out of landfill and help the circular economy.

ADVANTAGES

RUBAPAVE® remains durable and flexible in all weather conditions, making it the perfect long-lasting surface for North Americans. It can withstand temperatures ranging from -148ºF (-100ºC) to 135ºF (57ºC), and be salted and snow plowed.

Low maintenance, slip resistant, and resistant to UV Rays, gasoline, diesel, motor oil, transmission fluid, hydraulic fluid, and other hostile materials that destroy the looks, and function of traditional surfacing materials.

COMPONENTS

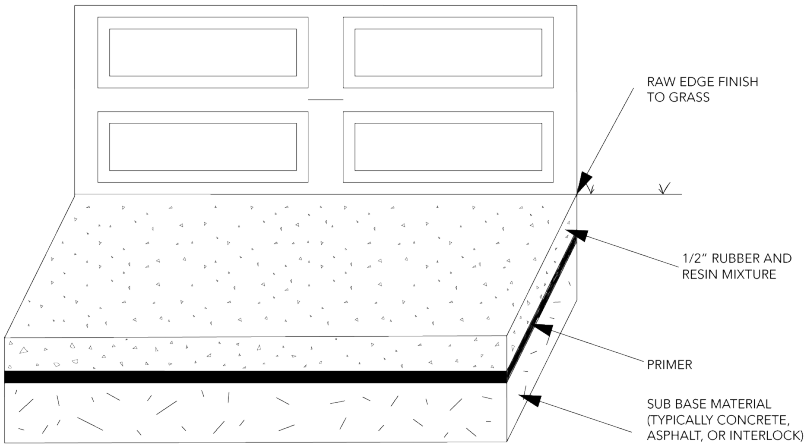

Figure 1. Typical components of a RUBAPAVE® system for driveway.

The unique aspects of RUBAPAVE® safety surfacing is that the system can be applied on a variety of old, cracked surfaces to create a strong, long-lasting surface. There are two ways to install RUBAPAVE® safety surfacing: on an existing surface or using a compacted aggregate base. (Figure 1) Installation over an existing surface is the most effective way to install RUBAPAVE®. When the existing surface has had time to settle and shift during the freeze-and-thaw cycles, RUBAPAVE® installations will maintain their integrity and look. Safety surfacing is only as strong as the surface it is installed on, therefore it is best to ensure the integrity of your substrate prior to installation.

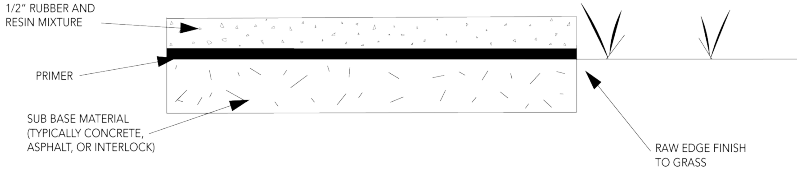

Figure 2. Installation with raw edge.

This is the most common type of edge finishing for RUBAPAVE® installations because it requires the least amount of preparation. Simply use two trowels to create a raw edge following the existing substrate. You may go back with a sharp knife to clean up this edge after the surface has cured.

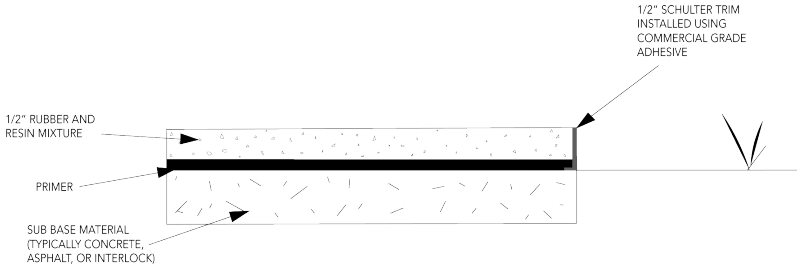

Figure 3. Installation with schluter trim edging.

Schluter trim is used to create a closed edge along RUBAPAVE® surfaces. The trim is applied prior to application around the edges and can be purchased in a variety of finishes. Schluter trim also acts as a guide to maintain 1/2” thickness.

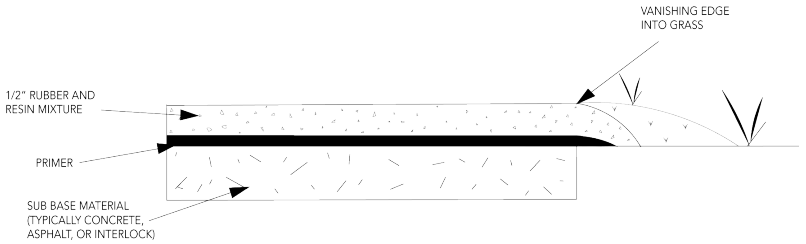

Figure 4. Installation with vanishing edge.

A vanishing edge required more preparation as the grass and dirt must be pulled back prior to installation. After the surface has cured fully, the dirt and grass is then placed back.

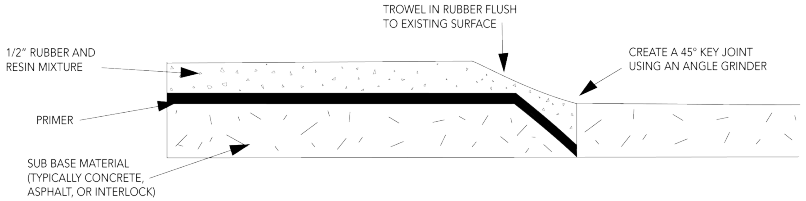

Figure 5. Installing flush with adjacent surfaces.

Prior to installation grinding around objects (i.e. drains) and edges may need to be completed to ensure that RUBAPAVE® can be installed flush and prevents any tripping hazards. If the surface has settled lower than surrounding objects and edges then no grinding is required prior. You may install thinner than 1/2” as your reach these objects and edges to ensure a smooth transition is achieved. RUBAPAVE can be installed as thin as 1/8” without impacting durability.

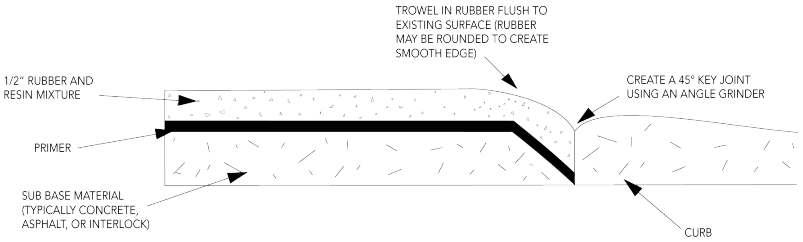

Figure 6. Finishing to curb.

When finishing to a curb that borders a road, it is important to create a 45° key joint with an angle grinder to trowel the finishing edge of the rubber. The edge nearest to roadways are most vulnerable to damage from city vehicles (i.e. snow plows and street cleaners), therefore it is important to ensure a strong edge has been created.

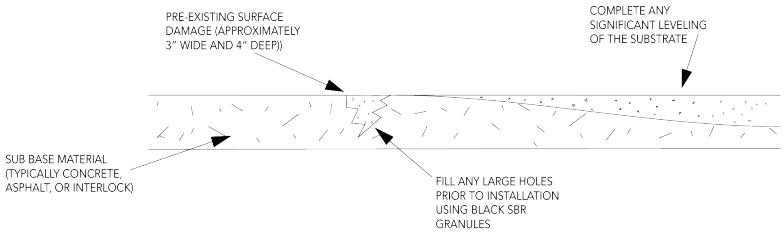

Figure 7. Completing repairs using fill prior to installation.

When preparing your substrate for installation black SBR is recommended to fill in any holes and complete any surface levelling required by the client.

All significant sized holes (i.e. 4"+ deeper) should be filled in prior to RUBAPAVE® application to ensure proper materials estimating can be made.

RUBAPAVE® TOP COAT

A top coat can be applied 24-48 hours after installation for added protection and shine. It is applied using a dense foam roller and/or paint brush to new and existing Rubapave surfaces. Only a thin coat is needed.