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Slate roofs design and installation manual 2017 pdf online

In some areas of the country, a builder's license is required to carry out roofing installations. To be properly installed, tile roofs require countless decisions during planning and installation. Slate shingles are quarried from mines and clay tiles are fired, as with earthenware. But they can also be a challenge to repair and replace. This post is part of our series on Pros and Cons of the most popular commercial roofing systems. There are also plenty of synthetic options available now. Simply put, to get business there are many options available to you, including subcontracting for a new homebuilder, advertising directly to the end consumers, and becoming a manufacturer's authorized installation representative. Colors vary from classic terracotta red and other reds to greens, grays and blues. Our clients like that we're well-versed in all slate and tile materials (including synthetics) and have relationships with distributors all over the world, from slate quarries in Vermont and Spain to hand-crafted tile manufacturers in Italy and Spain. Sometimes a labor warranty of 20 years or lifetime is included as well. Please allow 4 weeks for delivery of orders submitted by mail. Outstanding Natural Slate Material Uncompromising Quality Home ResourcesSlate Roofing Installation Manual Download Installation Manual Home » Roofing Materials and Systems » Slate Roofing: Useful Information GuideA Handbook of Dataon the Constructing and Laying of All Types of Slate RoofsAlso see our Slate Roofing and Historic Roofing pages.See More Roofing TopicsThe National Slate Association also produced a "completely new guide to slate roofing", Slate Roofs - Design and Installation Manual,* in 2010, "84 years after the original 'Slate Roofs.'"Here is the original text of the 1926 slate book that remained the standard authority on slate roofing for decades: Startup Costs: \$10,000 - \$50,000Home Based: Can be operated from home.Part Time: Can be operated part-time.Franchises Available? Every professional contractor and architect who works with slate roofing will want to have this manual on his or her bookshelves. Download order form to order by mail. Alternate solutions to slate roofing problems are provided. We've also installed plenty of new slate and tile roof — some of them even have fun stories that go along with them. The materials are also sustainable, which is increasingly important in today's market. More than 250 pages of well-organized, traditional and contemporary information. The exact texture, length and other shingle qualities are often specified by architects. Synthetic materialsSynthetic (faux) slate shingles look like the real thing but are made from composite materials — plastic or rubber — so they don't break as easily and cost about half as much as natural slate. The slate tiles themselves can last even longer (400+ years) so they can be used again and again. Slate shingles may be "unfading," "semi-weathering" or "weathering." Just as copper ages to a fine patina, slate can hold its basic color for years or mature into elegantly weathered hues depending on the type of slate.Clay tile roofs are also extremely durable with life expectancies between 75 and 100 years. Weathering characteristics vary for natural products. (Log in to receive member discount in the cart). The first step to get the business set in motion is to decide what type of roofing, and on what type of building you will be concentrating your marketing effort on. Architects, Consultants, Slate installers and Designers rave about this book! All new NSA members receive one free copy of the award-winning Slate Roofs: Design and Installation Manual. Includes 5 chapters, 9 appendices, 5 sidebars, 7 tables, 36 figures, and over 140 detail drawings. Architectural drawings accurately illustrate flashing and roof lay-out. Special orders and complex projects are welcomed. A sleek, modern slate roof, for example, will call for a different shingle length, color and thickness than a roof on a centuries-old country estate. The reason these roofs have been so popular for centuries (millennia, actually) is that they're durable, beautiful, do a great job of protecting buildings, and, in the long run, provide excellent value even though they're expensive to install. NoOnline Operation? Slate and tile commercial roofs are often considered the best available. Installing or repairing a slate or tile roof is not a job for inexperienced craftsmen. Whether you are a specifier or a contractor, you should have this award-winning slate manual in your reference library! Five-years in the making and peer reviewed by members of the roofing industry, this comprehensive slate reference is a must for architects, planners/consultants and installers. It's also the longest lasting roofing system — a high-quality, properly installed slate roof can last 150 years. Members also receive 20% off all orders. Regardless of whether you concentrate on residential or commercial, a roofing service will always be in high demand. Since shingles hang on the roof substrate like a picture hangs on a wall, enough nail length must remain for them not to slide off of the roof. Other cons for slate and tile roofs can include:Cost (initially)Experienced specialists to work on your roof, which can be tough to come by in many areasSpecialists need to know the right fabrication techniques for your type of shingle for proper life expectancyTakes longer to repair and replace the roof — it's an intricate process, especially if you need to remove the entire roof to replace the substrate and then clean each tile and put it backDesigning the roof so technicians can access it for maintenance duties, such as servicing air conditioning unitsRisk of cracked shingles if crews don't use "walk boards" or specialized rigging for difficult-to-reach placesCrews also need to know how to install Heritage copper guttering systems, a high-end 1/2 round gutter system that works in conjunction with slate and tile roofs and last just as long.WarrantiesDepending on the material and manufacturer, warranties for slate and tile roofs are usually 50, 75, or even 100 years. Concrete tiles, which look like clay tiles, are another less-expensive option and also have a life expectancy of up to 50 years.The Pros:Traditional slate comes in many varieties of colors, thicknesses, and grains, and is considered to be the most sophisticated roofing option. They also last about half as long. If a building has a slate or tile roof, it's usually a critical part of a building's design. The Definitive Slate Reference. Finishes vary, too. NoThe best aspect about starting a roofing service is that unlike a new kitchen, a new roof is usually a need, not a want. Moisture penetration can be an issue so it's critical that the underlayment, batten system and flashing are installed correctly — quality materials should be used throughout the project. Artistic skill is needed to coax out the color magic in the shingle pattern so it looks random and natural, not checkerboard. This Gold Circle Award-winning book masterfully renders every design and installation detail to be found in slate roofing. Installers must be able to drive nails down to 1/8 inch above the shingle but no further. If your building has a slate or tile roof you can expect it to last up to 100 years or more — how's that for longevity? If a shingle in a visible area gets cracked, a skilled artisan will be able to replace it with one from a more hidden area of the roof and then integrate a new shingle into the more hidden area so differences in patina aren't noticeable. Faux tiles and faux cedar shakes have the same properties and longevity as faux slate. You can expect color fastness of premium tiles to last for as long as the tiles themselves. We are proud to have worked on many of Atlanta's historical slate or tile roofs, including Piedmont Driving Club, Agnes Scott College and Atlanta First United Methodist Church (renovation work currently in progress). requirements: depending on the type of roof replacement service you will be operating, the requirements will vary in terms of skilled staff, equipment, regulations, and operating location. Natural slate and tile roofs are:Durable — last for 50, 75 or 100 years and even up to 150 yearsPractically maintenance-freeHigh-performing under the harshest conditions, including natural disastersEnergy efficient, with insulation qualities that keep buildings cooler in summer and warmer in winter — some shingles are Energy Star rated and can earn LEED pointsFire resistantPest resistantEasily cleaned and reusedRecyclable, and some clay tiles are made with recycled post-industrial materialsOften a good investment, increasing architectural impact, curb appeal and overall property valueThe Cons:While exceptionally durable once installed, slate shingles are fragile during installation. Liability insurance is also and absolute must, regardless of the type of roofing installations you specialize in. Residential and commercial roofing manufacturers use many different materials, such as asphalt, steel, cedar, and composite materials. Sentry Roof is one of the few roofing companies in metro Atlanta that has the experience and skillsets to repair and replace slate and tile commercial roofs — our specialists are true craftsmen. During installation, the shingles are hung in rows using nails attached to a framework underneath, with the shingles overlapping each other so the nails are hidden and rainwater flows over the top of the shingles. Check out the other posts and learn about all the systems: TPO, EPDM, metal, asphalt, and vegetative.You can also see our Guide To Commercial Roofing Systems: Pros and Cons that covers highlights of each system in a PDF you can view online or download.Download Guide To Commercial Roofing Systems: Pros and ConsSlate and tile roofsSlate and tile are natural products. Yet, if slate is hit with a hammer, the hairline crack that results will cause the shingle to fall apart within a few years. This system has worked perfectly since about 2500 BC, or more than 4,500 years. Most synthetic slate roofs and concrete tile roofs have 50-year warranties.

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