



TECHNICAL SERVICES

COATINGS INDUSTRY TERMS

Industry Terms

Standard Definition of Terms Relating to the COATINGS Marketplace.

A

Abrasion resistance - a coating that is not easily worn down when subjected to friction from particulate.

ACI302.1r-15 - American Concrete Institute Guide to Concrete Floor and Slab Construction.

Aliphatic - a linear chemical chain that has a propensity to resist yellowing from Ultraviolet light.

Aromatic - a ringed shaped chemical structure with a propensity to react with UV light causing it to chalk and yellow.

ASTM - an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

ASTM F2170 - standard test method for determining relative humidity in concrete floor slabs using in situ probes.

B

Backroll - to roll a coating after it has already been placed by another method such as spraying or squeegee applications. It is often the final step in the coating application.

Benchmark - a physical example of specified work installed by the contractor and accepted by the owner as the standard to which subsequent work will imitate.

Body Coat - often the thickest layer in a coating system or one which is after the Primer and before the Wear or Top coats are installed.

Broadcast - a method of tossing a filler into a wet material. It can be done by hand or by a mechanical devise or spreader.

Broadcast to rejection - to toss a filler into a wet material until the wet material is no longer able to accept any more of the filler.

C

Chemical Resistance - a very general term describing a coating that is unhindered by a wide variety of acids, caustics and solvents.

Coating System - the combination of multiple coating materials and components to form

a system that is designed for a particular purpose.

Coefficient of Friction - the ratio between the force necessary to move one surface horizontally over another and the pressure between the two surfaces.

Compressive Strength - the resistance of a material to breaking under compression.

Concrete - a building material made up of cement, sorted aggregates and water.

Control Joints - a joint cut or troweled or cut into green concrete with the purpose of weakening the concrete plane so that cracks from shrinkage can be directed to a uniform location. Synonymous with Contraction Joints.

Cross Hatch - to roll in one direction and then to roll at 90 degrees to the previous direction.

CSP - Concrete Surface Profile.

D

DFT: Dry Film Thickness - the thickness of a coating after the solvents have evaporated. See WFT.

Double Cut - the overlapping of a sheet good whereby a cut is made in between the overlap and both separated pieces are removed leaving a custom seam.

F

Finish Coat - the final layer needed to get sheen out of other liquid.

G

Gauge Rake - see Screed Rake

Gloss - the level of light reflectivity. Gloss is at the higher end of the spectrum while Flat is at the lower end of that same spectrum.

Grout Coat - a coating used to fill in a porous layer of material.

H

Honor: To respect the intended purpose of a joint.

I

ICRI - International Concrete Repair Institute.

ICRI310.1R-2008 - Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion

ICRI310.2R-2013 - Guide for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair.

ICRI CP 2 - a concrete surface profile typically achieved using diamond grinding equipment.

ICRI CP 3 - a concrete surface profile typically achieved using shot blasting equipment with light shot.

ICRI CP 5 - a concrete surface profile typically achieved using shot blasting equipment with medium shot.

Integral Cove base – a cove base that is made a part of the flooring system.

Installation - the process of installing the flooring system or products.

Installer - the person or contractor responsible for properly installing the coating system.

L

Laitance - a weak layer of concrete at the top of a finished slab.

Low Luster - the level of light reflectivity. Low Luster is at the lower end of the spectrum and Gloss is at the higher end of that same spectrum.

M

Membrane - a flexible material used to control moisture or to manage minor cracking and substrate movement. Usually near the bottom of a coating system.

Mils - the term used most often in the United States for measuring the thickness of a paint or coating. 1/1000th of an inch.

Moisture Vapor Barrier - a material that is designed to totally eliminate moisture from under the concrete from migrating up and through the concrete slab in the form of a vapor.

Mortar - a mixture of a liquid and an aggregate blend or filler to make a thick material that can best be placed using a trowel.

MVER: Moisture Vapor Emission Rate - the amount of moisture vapor that comes through a concrete slab in a given time as most often measured per ASTM F 1869.

N

NOSH - National Institute for Occupational Safety and Health.

O

OSHA - Occupational Safety and Health Administration.

Overlay - a thick material designed to cover over a badly damaged substrate or to create a new substrate for decorative or performance requirements.

P

Potlife - the amount of time a material remains usable for its intended and designed purpose.

Preparation - the act or process of making a substrate ready to receive a coating. Usually specified by the coating manufacturer.

Primer - a coating designed to penetrate the substrate, displace air and create a more uniform base for subsequent coatings.

Product - a general name for a material manufactured by Rock-Tred.

Profiled - the result of a preparation technique that leaves high and low spots on a substrate.

R

Re-coat Window - the amount of time between a coating being dry and the time at which it can no longer be overcoated successfully for optimum performance.

RH - Relative Humidity

S

Screed Box - a box used to evenly distribute mortar at a specific thickness to a horizontal substrate.

Screed Rake - a tool used to place a semi-liquid material at a desired thickness on horizontal substrates. Synonymous with Gauge Rake.

SDS - Safety Data Sheet. Previously known as MSDS.

Semi-gloss - the level of light reflectivity. Semi-Gloss is at the higher end of the spectrum and flat is at the lower end of that same spectrum.

Sheen - the glossiness of a paint or coating finish. High sheen may be considered Gloss and low sheen may be considered Flat.

Slip resistance - resistance to slippage.

Slurry - a mixture of resin and aggregate or aggregate blends to produce a flow-able mixture than can be placed with a screed rake or notched squeegee.

Solids by Volume - the amount of solids as a percentage of a known volume such as a gallon.

Solids by Weight - the amount of solids as a percentage of a known weight such as pounds.

Substrate - the foundation on which a coating system is applied.

System - See Coating System.

System Data Sheet - the publication which provides an overview of how each product is used to create a system.

T

Tack Rag - a cloth designed to extract particulate from a substrate while leaving no residue that could interfere with subsequent coating applications. Can also be a verb describing the action of removing particulate from a substrate.

Tacky - the word used to describe a stage in the drying process of a coating. Tacky means the coating is not yet ready to be re-coated or put into service.

TDS: Technical Data Sheet - a published document that describes a product in detail.

Tensile Elongation - the maximum stress the material will sustain before fracture.

Tensile Strength - The resistance of a material to breaking under tension.

Texture - the feel, appearance, or consistency of a surface.

Topcoat - usually the last layer in a coating system. Sometimes used interchangeably with Wear Coat.

Trowel - a tool used to spread and finish thick aggregate filled, resinous materials such as epoxy mortars. May also be used as a verb to describe the action of applying a mortar with a trowel.

V

Viscosity - a materials resistance to flow.

W

Wear Coat - the layer in a coating system which protects the integrity of the Primer coat or Body coat, which acts as the Top Coat.

WFT: Wet Film Thickness - the thickness of a paint or coating before the solvents have evaporated. See DFT.

Polymer Nation flooring systems are available in unlimited textures and can be customized to your specific safety and sanitation requirements. Slip and fall accidents are common injury claims making it critical to understand and specify the proper coefficient in friction for your flooring project. Polymer Nation has the knowledge, products and testing available to assist you in selecting the best texture for your facility.

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