WALL COATINGS PRODUCT PORTFOLIO OVERVIEW

BUILDINGS & PARKING

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BUILDING TRUST

SIKA WALL COATINGS

INTRODUCTION

Wall coatings are a crucial component of the building envelope

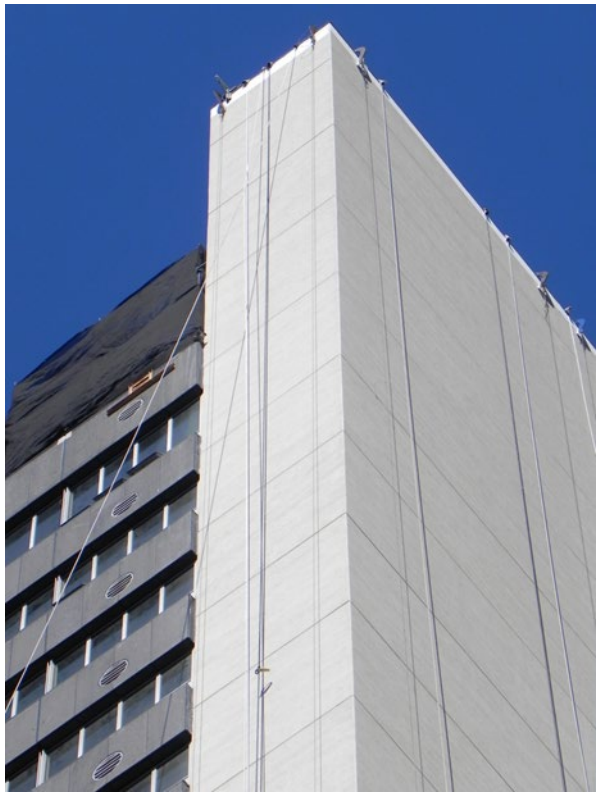
- **Structural components of building**
- **Building occupants**
- **Contents of the building**

- **Protect structural components**
- **Barrier to the elements**
- **Maintain aesthetics of buildings and structures**

SIKA WALL COATINGS

INTRODUCTION

People underestimate the importance of wall coatings

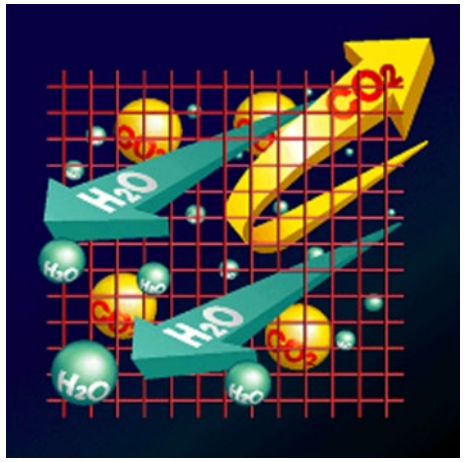


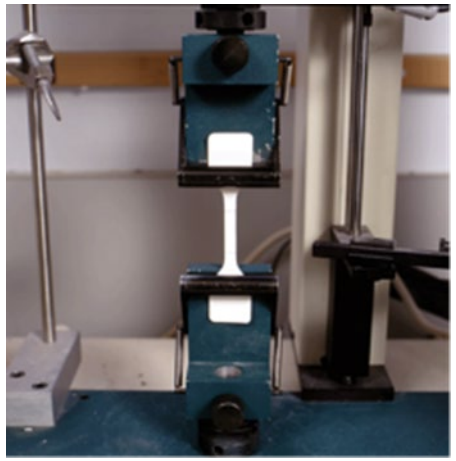
- Lack of understanding
- Incorrectly specified
- Inadequate training

A small error can make a big mess

PAINT VS. COATINGS

- WATERPROOF
- FLEXIBLE/ ELASTOMERIC
- ANTI- CARBONATION- COVER
- COLOR/ TEXTURE
- PERMEABILITY
- UV RESISTANCE
- DIRT PICK UP/ RESISTANCE
- LIGHT REFLECTANCE





Paint only gives you color – Coatings give you Performance with Aesthetics

WALL COATINGS
WHY NOT PAINT?

Durability Property	Coatings	Paints
Wind driven rain	> 98 mph	< 60 mph
Accelerated weathering	14 years	5 years
Flexibility	Good	Poor
Carbonation protection	Yes	No
Mild chemical attack	Yes	Poor
Mask substrate flaws	Yes	No
Elongation + recovery	Yes	Poor
Wet adhesion promoter	Yes	No
Permeability	Yes	??

Coatings

Primary function is protection

Formulated for exterior substrates

Higher quality polymers

Generally higher film build materials*

Paints

- Primary function is aesthetic
- Interior and exterior, multi-surface use
- Often formulated with resin blends
- Generally thinner film build materials

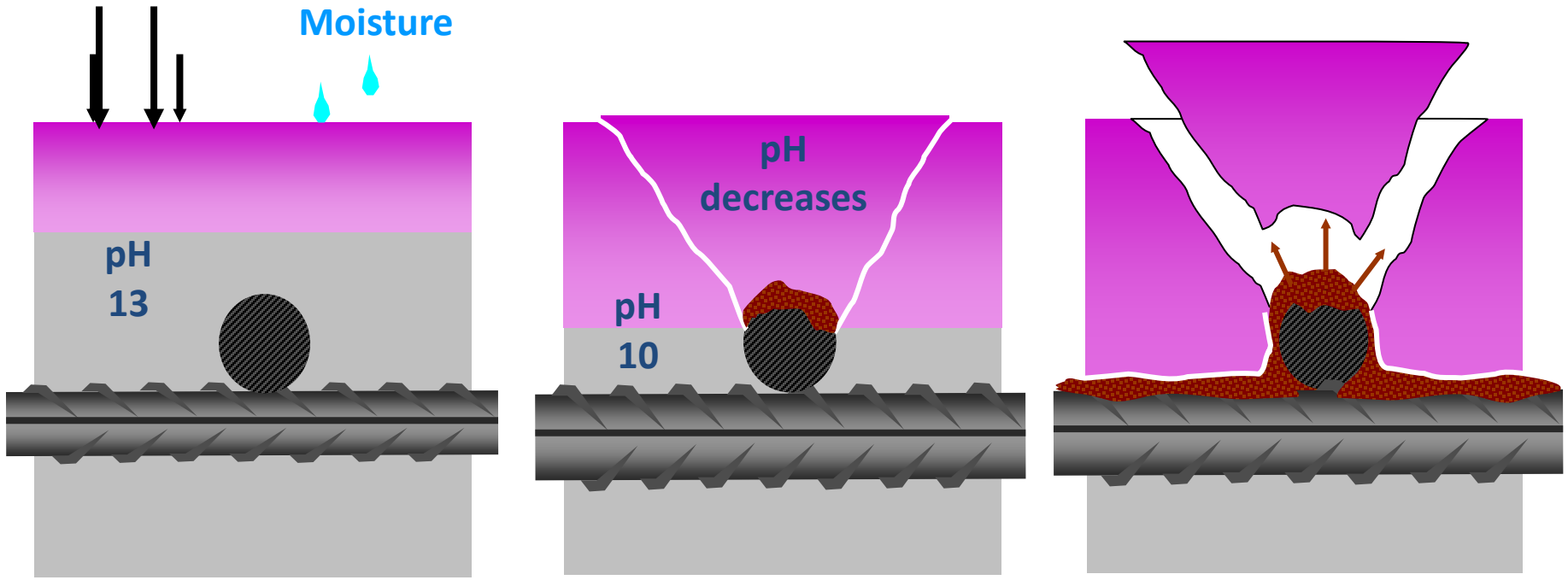
Paint only gives you color – Coatings give you Performance with Aesthetics

SIKA WALL COATINGS

ANTI-CARBONATION

How Carbonation Happens

Atmospheric Carbon dioxide



SIKA WALL COATINGS

ANTI-CARBONATION

8-10 mils of a high build coating is equal to 8 inches of concrete

Certificate of Test

Page 1 of 3

Title: MasterProtect HB 200LR

Determination of Carbon Dioxide Gas Diffusion

Certificate of Test Number: 23605

Customer's Name & Address:

BASF (USA)
889 Valley Park Drive
Shakopee
Minnesota, 55379
United States

Our Ref: N950/TR0042

VTC Job No: 3TL1 - 1.011.18

Your Ref: PO 4923197733, dated; 01 June 2015

Date: 12 August 2015

Date samples received: 04 June 2015

Samples received from: BASF (USA)

Sample Nos: 149747 B

If unsigned by the tester this is because the tester is site based and therefore unable to sign this Certificate of Test. However, all work has been checked, validated and approved prior to inclusion

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UKAS 0057

TECHNOLOGY CENTRE

Concrete with inadequate cover can be protected with coatings

NATURAL IRON ORE CONTAMINATION IN THE CONCRETE MIX: MUST DRILL OUT AND PATCH WITH REPAIR MATERIAL TO RECOAT WITH WALL COATING.

Preparation Products

Preparation Products

- **Patching**
  - 

  - **Sika Thorocoat 748**
    Acrylic Patching Compound
- **Fillers**
  - 

  - **Sika Thorocoat 749**
    Block Filler
- **Primers**
  - 

  - **Sika Thorocoat 100 Primer**
  - 

  - **Sika Thorocoat 150 Primer**

Primers

Surface Preparation Methods

Sika Thorocoat-100 (formerly MProtect P100)

- A water-based modified acrylic primer
- Consolidates weak, dusting substrates for improve adhesion and durability
- 300-375 ft² per gallon
- For surfaces that exhibit slight chalking after cleaning
- Less than 100 g/L VOC content
- Dries to recoat in 2 – 4 hours

Primers

Surface Preparation Methods

Sika Thorocoat-150 Primer (Formerly MProtect P150)

- A water-based modified acrylic primer
- Seals substrate to improve adhesion and workability
- Available in smooth and fine texture
- Can be tinted for better hide
- Dries to recoat in 2 – 4 hours

Patching Compounds

Surface Preparation Methods

Sika Thorocoat-748 (formerly MProtect FL 748)

- A 100% acrylic crack bridging material that is compatible with all our high build coatings
- Fill voids in vertical substrates
- Thorocoat 748: Knife grade smooth
- Available in 1 gallon and 5 gallon packaging

Block Fillers

Surface Preparation Methods

Sika Thorocoat-749/Block Filler (formerly MProtect FL 749)

- An acrylic based block filler used to prime and fill porous masonry
- Apply by roller or airless sprayer
- 35-100 ft²/gallon
- Can be applied to damp substrates
- Moisture resistant; will not degrade in the presence of wet-dry cycles

What are the coating options?

- Elastomeric Coatings
  - **Best for substrates that may crack (thermally dynamic) Elongation + Recovery**
- Flexible Coatings
- **Best adhesion to substrate, highest carbonation protection- monolithic walls**

Elastomeric Coatings have lower adhesion properties so they can stretch and recover

Wall Coating Portfolio

Sika Construction Systems

Thin Mil Coatings

- Sika Thorocoat-250
- Sika Thorocoat-350 Aquasol

High Build Coatings

- Sika Thorocoat-200
- Sika Thorocoat-200LR
- Sika Thorocoat-400
- Sika Thorocoat-400 DOT

Elastomeric Coatings

- Sika Thorolastic-750
- Sika Thorolastic-850

The Thoro name is Back!

Thin Mil Coatings

Sika Wall Coating Portfolio

Sika Thorocoat 250 (Formerly MProtect HB 250)

- Smooth, water-based 100% acrylic
- Highly permeable (19 perms)
- Ideal for recoats
- Cost effective solution

Sika Thorocoat 350 Aquasol (Formerly MProtect C 350)

- Highly hydrophobic, 100% acrylic
- Water repellent, soil resistant
- Smooth, matte finish
- Added value solution (Self Cleaning)

- **Usage**
  - Exterior
  - Vertical and overhead surfaces
  - Above grade
  - Protecting and waterproofing*
  - Aesthetics
- **Substrates**
  - Concrete
  - Masonry
  - Stucco
  - EIFS
  - Over existing coatings

*Thorocoat-350 Aquasol

High Build Coatings

Sika Wall Coating Portfolio

Sika Thorocoat-200 (Formerly MProtect HB 200)

- Airless spray application speeds production and reduces turnaround time*
- 100% acrylic
- Resists wind-driven rain
- Breathable to allow water vapor to escape
- Freeze/thaw resistant, suitable for cold climates
- Low VOC content for broad compliance across all region

Common uses + Substrates

- Exterior
- Vertical and overhead surfaces
- Above-grade
- Protecting and waterproofing
- **Substrates**
- Concrete
- Masonry
- Cement plaster
- Stucco
- EIFS
- Existing Coatings

*Can also be brushed and rolled

High Build Coatings

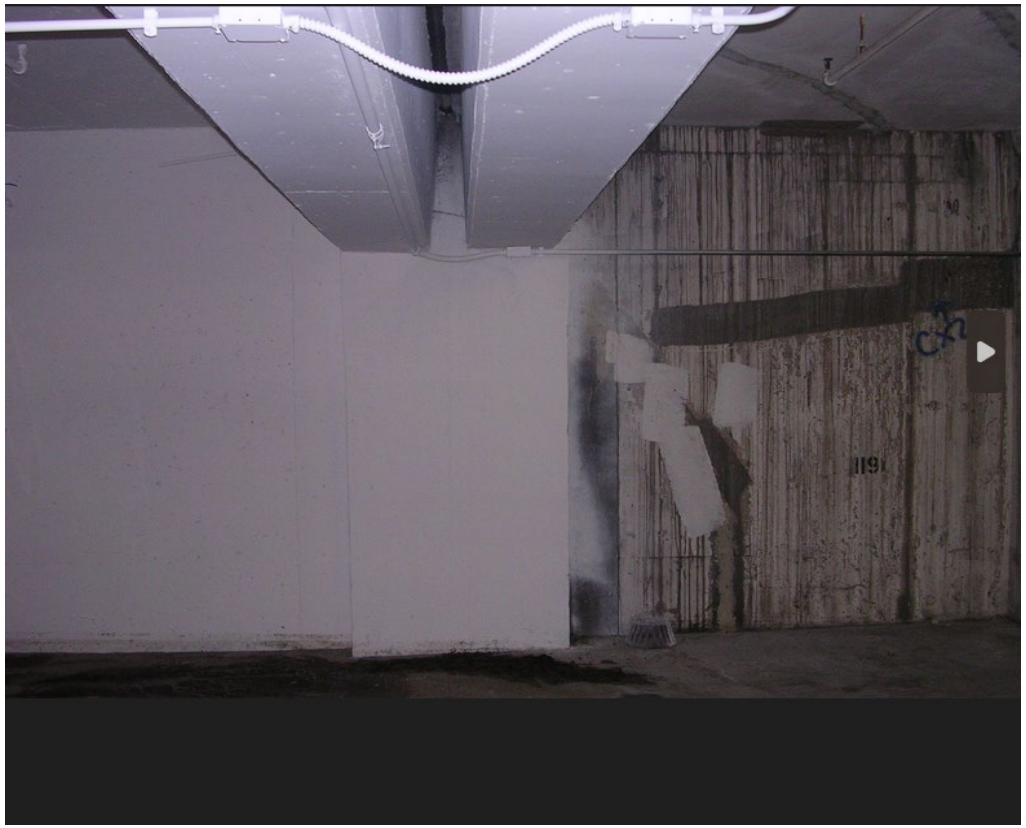
Sika Wall Coating Portfolio

Sika Thorocoat-200 LR **(Formerly Mprotect HB 200LR)**

- High light reflectivity enhances the security of garages and increases lighting efficiency
- Airless spray application
- Excellent adhesion
- Excellent color retention
- Freeze/thaw resistant, suitable for cold climates
- Low VOC content for broad compliance across all regions
- Water-based formula has a low odor
- Minimal dirt pickup
- Effective carbon dioxide diffusion barrier, protects embedded steel from corrosion

- **Usage**
  - Interior
  - Overhead and vertical
  - Above grade
  - Parking structures
  - Ceilings
  - Walls
  - Beams
  - Columns
- **Substrates**
  - Concrete
  - Brick
  - Stucco
  - Block
  - Primed wood or metal
  - Existing Coatings

Dallas Galleria Parking Garage
Sika Thorocoat-200LR - 40,000 gallons - Coated 20 years ago



High Build Coatings

Sika Wall Coating Portfolio

Sika Thorocoat-400/400 DOT

(Formerly MProtect HB 400 / HB 400 DOT)

- Resists wind-driven rain
- Breathable
- Excellent adhesion
- Excellent hiding power
- Textured formulations help improve the aesthetics of irregular substrates
- Effective carbon dioxide diffusion barrier protects embedded steel from corrosion
- Available in a broad range of colors and textures for design versatility
- Available in DOT Colors (Thorocoat-400 DOT)

Common Uses & Substrates

- Exterior
  - Vertical and overhead surfaces
  - Above-grade
  - Protecting and waterproofing
- **Substrates**
  - Concrete
  - Masonry
  - Cement plaster
  - Stucco
  - EIFS
  - Existing Coatings

Sika Thorocoat-400 Project:

Elastomeric Coatings

Sika Wall Coating Portfolio

Sika Thorolastic 750 (Formerly MProtect EL 750)

- Available in a broad range of colors and textures for design versatility
- Resists wind-driven rain
- Breathable to allow water vapor to escape
- 344% elongation and 98% recovery for durable performance over dynamic cracks.
- Excellent adhesion
- Excellent hiding power
- Textured formulations help improve the aesthetics of irregular substrates
- Effective carbon dioxide diffusion barrier protects embedded steel from corrosion
- Flexibility at very low temperatures makes it suitable for all climates
- Resistant to dirt pickup

Common Uses & Substrates

Exterior

- Vertical and overhead surfaces
- Above-grade
- Protecting and waterproofing

Substrates

- Concrete
- Masonry
- Cement plaster
- Stucco
- EIFS
- Existing Coatings

Sika Thorolastic-750 Elastomeric Coating-EIFS Project:

Elastomeric Coatings

Sika Wall Coating Portfolio

Sika Thorolastic-850 (Formerly MProtect EL 850)

- Silicone-modified acrylic formula is recoatable
- Available in a broad range of colors
- Resists wind-driven rain
- Breathable to allow water vapor to escape
- 784.5% elongation and excellent recovery for durable performance over dynamic cracks.
- Excellent adhesion, bonds securely to substrate
- UV resistance provides excellent color retention for a long-lasting attractive finish
- Excellent hiding power
- Effective carbon dioxide diffusion barrier protects embedded steel from corrosion
- Flexibility at very low temperatures makes it suitable for all climates
- Resistant to dirt pickup

Common Uses & Substrates

- Exterior
  - Vertical and overhead surfaces
  - Above-grade
  - Protecting and waterproofing
- **Substrates**
  - Concrete
  - Masonry
  - Cement plaster
  - Stucco
  - EIFS
  - Existing Coatings

SIKA S.M.A.R.T TRAINING

WALL COATING APPLICATOR TRAINING

NOVEMBER 5-6, 2025

WALNUT CREEK, CALIFORNIA

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Questions?

THANK YOU FOR YOUR ATTENTION

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