

Description	Special Concrete Primer (or Self-Priming Base Coat) that provides protection against soaked-in oils and excessive concrete moisture prior to flooring applications.
Field-Tested and Approved for Use Under	<p>Fluid Applied Flooring & Coatings</p> <p>Concrete Overlays, Epoxy Terrazzo and Toppings</p> <p>Decorative Flooring “Flake and Quartz”</p> <p>Impact Resistant Industrial Coatings</p> <p>Resilient Flooring</p>
Approvals/ Standards	<p>Robust Oil Protection Plus Moisture Protection</p> <p>Suitable Substrate for Industrial and Commercial Flooring Products</p> <p>Stopping concrete Moisture up to 90% RH.</p> <p>ASTM E96 Testing (0.17 perms tested at 16-mils)</p> <p>Independent testing by ISO/IEC 17025-2017 Certified Lab</p> <p>CTL Labs Report: #281471 • Date: 8.23.2019</p> <p>SCAQMD Compliant (Zero VOC Emissions ; Classroom and Office scenario)</p> <p>Independent testing by ISO/IEC 17025-2017 Certified Lab</p> <p>VOC’s: 0.00 g/l - Method: CDPH/EHLB/Standard Method Ver. 1.1, 2010</p> <p>Berkley Analytical: Certificate #140527-01 Date: 5.27.2014</p> <p>ISO 9001:2015 Manufacturing Certification.</p> <p>AB-Polymerchemie; GmbH; Aurich Germany</p>
Features and Benefits	<ul style="list-style-type: none"> • Seals-In Contaminants to Prevent Delamination and Staining of Flooring Products. • Coats over hydrocarbons – oils/fuels, organics – blood, cooking grease and more • Resists Concrete Moisture up to 90% RH • Spreads easily. Self-Leveling. No special training required. • ZERO VOC Emissions. Complies with environmental laws/guidelines for all 50 states. • Product performance history in USA since 2000 • 15 – Year Performance Warranty (Labor and Material) for projects completing QC documentation.
Limitations	<ul style="list-style-type: none"> • Needs UV protective topcoat. • Requires either a quartz/flake broadcast or sanding surface to prevent amine blush. • Do not apply over gypsum/gypcrete. • Do not apply on concrete suspected of containing ASR. • Do not apply on concrete that has been pre-treated with potassium, sodium silicates, or colloidal silicas topically applied or as an admixture. SEND MIX DESIGN TO ACTECH.

Packaging	3.6 Gallon Units Color Grey when mixed
Storage	Shelf Life 24-months; No Direct Sunlight; Protect from Freezing. Do Not Store Outside. Acclimatize material for 48-hours prior to use. Keep away from sparks, fire, and other sources of ignition.
Project Registration for Performance Warranty	<p>Project Registration for Performance Warranty</p> <p>ACTECH’s 15-year Labor + Material Performance Warranty is ONLY available to eligible projects that have been pre-registered and approved by ACTECH <u>before installation begins</u>.</p> <p>See below for Required documents for registering a project and requesting the issuance of ACTECH’s 15 Year Labor + Material Performance Warranty.</p> <p style="text-align: center;">Pre-Project (Pre-Registration) Forms:</p> <ol style="list-style-type: none"> 1. ACTECH Approved On-Site Supervisor Form -Required for Warranty 2. ACTECH Pre-Job Survey – Required for Warranty 3. Approved Mock-Up Test Report(s) –Strongly Recommended <p style="text-align: center;">Post-Project Forms:</p> <ol style="list-style-type: none"> 4. ACTECH Final Job Installation Report -Required for Warranty 5. 15-Year Performance Warranty -Required for Warranty
Pre-Installation Advice	<p style="text-align: center;">Industry Procedures to Determine Acceptability of Substrate for Concrete Coatings (See ACTECH Pre-Job Survey)</p> <ol style="list-style-type: none"> 1. All concrete surfaces where ACTECH Oil Buster™ Concrete Primer (OBS-C) will be applied must be sound, clean, absorptive, and free of all adhesives, coatings, coverings, curing compounds, concrete sealants, unknown patching, gypsum based products, dust, dirt, efflorescence, visible grease, puddled liquids, Sodium Silicates, Potassium Silicates, or Colloidal Silicas either topically applied or as an admixture, and any other material that may act as a bond breaker or sponsor osmosis. All concrete must comply with ACI 201.2R and 302.2R. All concrete must be mechanically prepared according to ICRI Concrete Surface Profiles (CSP). Contact ACTECH Technical Team for information concerning other products and conditions that could adversely affect the ACTECH Oil Buster™ Concrete Primer. 2. Minimum of 200 psi tensile (ASTM C1583 / C1583M – 20); and 3,000 psi compressive (ASTM D7234). 3. Aggregate has been tested to meet ASTM C33 Requirements (Precaution against ASR). 4. If project is on New Concrete, please submit concrete mix design to ACTECH Technical Team for review. Best submitted before concrete is poured.

5. Lab Testing of Concrete Cores; is a Best Practice on Existing Concrete to determine if there is any evidence of hazardous materials/potential bond-breakers that can affect the performance of any concrete coating or liquid-applied traffic/roofing membrane.

6. Mock-Ups should be scheduled and budgeted for in advance of every project. Mock-Ups are a Best Practice and are strongly recommended for eligibility for ACTECH Performance Warranty. Mock-Ups will help determine the suitability of the ACTECH material for the project substrate, the suitability of the substrate surface preparation for the successful application of the ACTECH material, and the level of competence and experience of the epoxy application crew as regards dew points, changing environmental conditions, and site conditions. Mock-Ups also provide feedback for predicting problems and tweaking application protocols before the project begins.

Surface Preparation per ICRI Tech Guide No. 310.2R-13

Profile Required: CSP-4

Tools: Shot Blaster and Hand Diamond Grinder with dust collection

1. Where surface contamination prevents proper preparation, conduct a preliminary cleaning using Oil Extraction Detergent (OBS-D or equivalent). Consult ACTECH’s technical staff for further instructions.
2. Remove all existing coatings, sealers, coverings, flooring, etc. Use best mechanical means. Prepare concrete to a CSP-4 per ICRI CSP profiles.
3. Remove all fugitive shot, dust and debris from prepared surface.

NOTE: Shotblasting is the preferred method for surface preparation. If grinding is performed, it must deliver a consistent dust-free profile. Contact ACTECH Technical Staff if shot blasting is not possible.

Cleaning Procedures

Follow the directions for the concrete detergent / degreaser product you are using. If using ACTECH OBS-D, see Dilution Rates and Application Protocol below.

Dilution Rates:(Adjust to Suite Contamination Levels)

Very light contamination: Clean using a ~10:1 ratio potable water to detergent

Medium contamination: Use @ ~5:1 ratio potable water to detergent depending on the level of contamination.

Very heavy contamination: Use @ ~3:1 potable water to detergent. Brush on and let this sit on the contaminated deck for minimum ~ 40 – 50 minutes or overnight. Use Appropriate Cleaning equipment. Repeat if necessary.

	<p>Application Protocol:</p> <ol style="list-style-type: none"> 1. Apply diluted OBS D (see above) using either a brush, sprayer, walk-behind scrubber, or power washer with floor spinner. 2. Work OBS-D in well. 3. Rinse thoroughly. (Use of an anti-foaming agent in wastewater recover equipment may be helpful). 4. Make sure all detergent residue has been removed from concrete so as not to interfere with adhesion of the subsequent system. 5. Squeegee-off or vacuum-up all remaining surface water before proceeding. 6. Do Not Leave any Poned Water on Surface 7. Cleaning methods will vary based on the level of contamination. Always contact the ACTECH Technical Team for specifics on your project. <p>Dispose of all wastewaters according to all local, state, and federal environmental regulations, requirements, and guidelines</p>
<p>Concrete Requirements Before Coating</p>	<p>CONCRETE: Compliance with ASTM F710, ASTM F3010, ASTM F3191 and ACI 302.1R:</p> <ol style="list-style-type: none"> 1. Concrete must be absorptive. Conduct 60 seconds water drop test per ASTM F3191. After substrate preparation, conduct Water Drop Test on substrate per ASTM F3191 to determine (and document) absorbency of the concrete substrate. If water drop does not penetrate into the concrete within a minute of being placed on the surface of the profiled substrate, there may be potential bond breakers that still need to be removed through additional prep. The substrate must be absorbent prior to applying ACTECH Oil Buster™ Concrete Primer (ACTECH OBS-C). 2. Minimum of 200 psi tensile (ASTM C1583 / C1583M – 20); and 3,000 psi compressive (ASTM D7234). 3. Must be dust free prior to application. No standing water. 4. Concrete aggregate must meet ASTM C33 Requirements (Precaution against ASR).
<p>Mixing Instructions</p>	<ol style="list-style-type: none"> 1. Using a 300 – 400 RPM drill with an epoxy or jiffy type mixing attachment, premix ACTECH OBS-C Part A for approximately 1 minute until all solids at bottom of container are thoroughly pre-mixed. 2. Pour ACTECH OBS-C Part B into Part A and mix for 3- timed minutes until mixture is homogenous in texture and appearance. Do not aerate mixture. 3. Best practice is using a mixing pail (or “boxing”) to ensure complete mixing of material from the sides of cans. 4. Pour some mixed material back into the B can to harden all material. Do not discard any empty cans with leftover uncured liquid. <p>NOTE: Do not turn cans with leftover ACTECH OBS-C upside down on the uncured coating surface. Liquid “half moons”, drops, or splatters of unmixed material may interfere with proper curing.</p>

Installation Conditions

1. Ensure Area to be coated is climatized. If indoor space is not climatized please ensure the next two steps are monitored with appropriate tools such as a digital hygrometer and infrared thermometer.
2. Ensure Ambient Temperatures are within 40°- 90°F (Consult ACTECH Technical if temperatures are outside of these parameters)
3. The concrete substrate temperature must be at least 5°F above the Ambient Dew Point to avoid/reduce the risk of condensation. Condensation may cause adhesion failure or “amine blushing” on the product finish.
4. Ambient Temperatures must be steady and/or falling, NOT RISING.

WARNING: Do not apply if rain, high RH, or extreme temperature changes are expected during mixing, application or cure time of ACTECH OBS-C.

The Installation conditions listed above must be followed during mixing, application and during the full cure of ACTECH OBS-C.

Installation Instructions

1. Mix and pour entire contents of pail onto substrate Immediately after cleaning the contaminated surface. Concrete should still be damp (without standing water).
2. Spread using a flat or 16-mil notched squeegee to deliver a 16-mil minimum WFT, ensuring that proper coverage rates are achieved, leaving no uncoated areas. Back-roll the material using a 3/8” nap roller to ensure even coverage. (Use only roller covers that are lint-free and suitable for epoxies).
3. **Next, either broadcast sand or abrade surface of ACTECH OBS-C**

If Broadcasting Sand:

After squeegee and backrolling ACTECH OBS-C, wait ~15 - 20 minutes (depending on ambient temperature), broadcast 50-60 mesh washed and dried silica sand to rejection. DO NOT USE PLAY SAND. Broadcast up in air -- not down into OBS-C

If Abrading Surface of ACTECH OBS-C:

Use appropriate tooling such as a swing sander or buffer with appropriate grit sandpaper wheel. Make sure surface is gloss-free and profiled. After running across entire area that has been coated with ACTECH OBS-C, clean surface with acetone or alcohol wipe.

4. Protect area from moisture, dirt, dust, trash, and foot traffic during cure time.
5. Cure times: ~ 12-hours or until tack-free.
6. Consult ACTECH Technical should you have any questions before or during installation.

NOTE: See Installation Guidelines/Procedures for full Installation Instructions.

NOTE: If material pinholes or fisheyes contact ACTECH Technical Staff ASAP.

<p>Recoat Window Other Systems</p>	<p>Follow guidelines and recommendations for recoat times for products installed on top of ACTECH OBS-C. If ACTECH OBS-C is left uncoated for extended periods of time, use protection board to protect the surface from dirt and debris. In the event the ACTECH OBS-C surface becomes dirty, power wash before recoating. Contact the ACTECH Technical team for additional information.</p>
<p>Warranties</p>	<p>ACTECH warrants for 1 year from the purchase date that its products conform to the label descriptions, are free from manufacturing defects, and are fit for the purposes for which they have been manufactured.</p> <p>A 15-year Performance Warranty is available to eligible projects that have been pre-registered and approved by ACTECH before installation begins. (See ACTECH Approved On-Site Supervisor Form, ACTECH Pre-Job Survey, and Mock-Up Test Report). Documentation of environmental site conditions and application protocols used during the installation of the ACTECH materials will be required at the time of the projects "Request For Warranty" form. (See ACTECH Final Installation Report Form). Additional warranty periods may be offered upon request.</p> <p>This warranty covers the performance of ACTECH Oil Buster™ Concrete Primer against Oils, Hydrocarbons, and organics transmitted through the concrete slab only. Should ACTECH Oil Buster™ Concrete Primer fail due to Oils, hydrocarbons, and organics transmitted through the concrete slab, the areas of failure will be replaced at no cost to the owner or Approved Applicator.</p> <p>ACTECH Oil Buster™ Concrete Primer must be applied per application instructions on structurally sound concrete that is compliant to ACI 302.1R, ASTM F3010, and absorbent per ASTM F3191. If any areas of the concrete slab do not meet these standards, the warranty will be void. Any concrete conditions (such as ASR), hydrostatic water damage, or issues with structural changes in the substrate and any additional unforeseen constituents, which may act as bond breakers leading to failed adhesion of the ACTECH Oil Buster™ are specifically excluded from warranty. The ACTECH Approved Applicator is responsible for determining the appropriate usage as well as proper application of ACTECH Oil Buster™. ACTECH shall not be liable under any legal theory for special or consequential damages.</p> <p>To become an Approved Applicator, one must go through training at ACTECH headquarters or be grandfathered in by filling out the ACTECH Onsite Supervisor Preapproval Form <u>before ACTECH material is shipped</u>. The ACTECH Pre Job survey will also be sent upon order and is to be completed before the project starts. This is required in order to receive the ACTECH warranty.</p> <p>On-site visits and video conferencing by ACTECH personnel do not constitute a warranty or alleviate the applicator from any responsibility or professional due diligence. up</p>
<p>Health and Safety</p>	<p>Refer to SDS before handling product and ensure proper PPE is used. Do not expose skin, eyes or ingest ACTECH Oil Buster™ Concrete Primer. Store, transport and dispose of in accordance with SDS. If any personnel develop sensitivity to the material either cover bare skin or remove them from coating area. If any personnel develop negative reactions such as skin rash, difficulty breathing, eye irritation or other difficulties from the material, immediately remove from application area and seek proper medical attention.</p>
<p>Questions?</p>	<p>The ACTECH Technical Team is always standing by for any questions regarding installation or product performance. Please contact us any time.</p>

ESTIMATED COVERAGE RATES

ACTECH Oil Buster™ Concrete Primer 3.6 GALLON UNIT

Single Coat - Oil Protection + Moisture Protection ~100 sf/gallon **~360 sf per unit** (Ensure minimum 16 mils over High Spots of CSP 4)

**Approximate values for specification guidelines. Cure times are dependent upon ambient temperature and humidity at the job site.
Coverage rate may vary based on quality of concrete matrix, slab surface porosity, and consistency of concrete surface profile achieved during work.

APPLICATION PROPERTIES

Pot Life (45°F / 75°F/ 90°F)	90 mins/ 60 mins/ 30 mins
Curing Time / Light Foot Traffic (45° / 75° F/ 90°F)	24 hours / 12 hours / 12 hours
Minimum Recoat Time (45° / 75° F/ 90°F)	24 hours / 12 hours / 12 hours
Maximum Recoat Time (without light sanding) (45° / 60°F/ 75° F/	72 hours or by manufacturers guidelines on recoat
Full Cure – Full Chemical Resistance and Supports Heavy / Rolling	5 – 7 Days
Substrate Temperature (Consult ACTECH Technical Team if outside	40° - 90° F
Application Humidity Dew Point	Slab Temperature + 5° F Above Dewpoint
Concrete Surface Profile (Consult ICRI 310.2R-13)	CSP-4 (Existing Concrete)

TECHNICAL DATA

Mixing Ratio (A : B by volume)	3.5 : 1
Density (75° F)	1.9 g/cm3
Volume Solids	98 %
VOC Emissions	0.0 g/l
Viscosity (75° F)	650 cps
Compressive Strength	~11,600 PSI
Tensile Strength	4,300 PSI
Flash Point	>287.6 °F (Not Considered Flammable or Combustible)
Glass Transition Temperature	212 °F

FOR COMMERCIAL USE ONLY: KEEP OUT OF REACH OF CHILDREN & PERSONNEL NOT TRAINED IN ITS USAGE.

The information contained in this Technical Data Sheet is based on construction site experience and laboratory testing and is provided in good faith as reliable. However, it is the responsibility of the installer/applicator to determine the suitability of the substrate and the completeness of this information for a specific use. It is best practice to contact the ACTECH technical department for further information and the installation of a test patch before starting any project application. Our advice, verbal, written or based on test results, does not exempt the installer/applicator from exercising his own professional judgment or from adhering to construction industry standards. Always observe the installation recommendations of the final coating or floor covering manufacturer. Be sure the Material Safety Data Sheet and product literature is read and understood by all members of the crew. The publication of this Technical Data Sheet invalidates all previous versions.

