NORVEX INDUSTRIAL

COATINGS DIVISION

SHOP CAPABILITIES

BLAST + COATING SHOP



BUILT TO PROTECT. BUILT TO PERFORM.

ABRASIVE BLASTING

PROTECTIVE COATINGS

RAIL RECEIVING

NorvexIndustrial.com

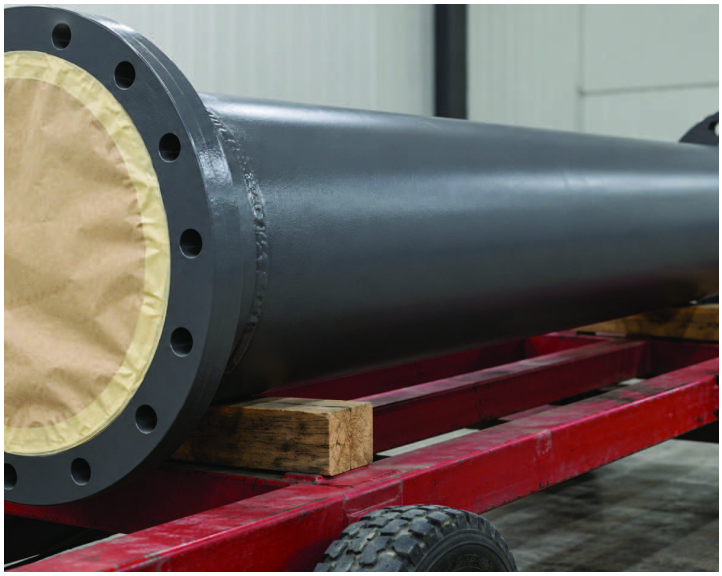
(833) 667-8394 | (312) 676-0960

OUR SHOP

PREPARATION THROUGH FINISH.

Norvex Industrial brings receiving, surface preparation, protective coating application and release coordination into one shop package for fabricators, manufacturers, mechanical installers and contractors.





EXPLORE OUR SHOP CAPABILITIES

03-05	BLASTING + PREPARATION
06-08	PRIMERS + FINISH SYSTEMS
09-10	LININGS + TEMPERATURE SERVICE
11	PARTS + COMPONENTS
12-13	RAIL + MATERIAL HANDLING
14	TESTING + QUALITY CONTROL
15	SAFETY + PRODUCTION CONTROL

UNION SIGNATORY CONTRACTOR

Chicago / District Council 14 | Indiana / District Council 91

SURFACE PREPARATION / 01

SHOP ABRASIVE BLASTING

Prepare new and previously coated steel for the system that follows. Shop blasting removes corrosion, mill scale and existing finishes to the preparation requirements defined for the project.



BLASTING SCOPE

- ✓ New fabricated steel and metal components
- ✓ Corrosion and mill-scale removal
- ✓ Removal of existing coating systems
- ✓ Preparation before primers and linings

PREPARATION CONTROL

- ✓ Specified blast-cleanliness grade
- ✓ Surface profile suited to the coating
- ✓ Welds, edges and difficult details
- ✓ Dust and contamination before coating

CLEANLINESS + PROFILE

Both are reviewed before coating. The required cleanliness and surface texture come from the project specification and selected coating system.

SURFACE PREPARATION / 02

BLAST MEDIA + SUBSTRATE REVIEW

Abrasive selection follows the component, existing finish and required surface profile. We review media type, size and suitability before establishing the production approach.



MEDIA SELECTION

- Steel abrasives, where appropriate
- Garnet and other mineral abrasives
- Grade selected for the required profile
- Specialty-media requirements reviewed

SUBSTRATE REQUIREMENTS

- Carbon steel and existing coating condition
- Part thickness, geometry and detail access
- Sensitive substrates and contamination controls
- Sample or trial preparation where required

MATCH THE ABRASIVE TO THE WORK

Stainless steel, aluminum and galvanized components receive a substrate-specific review. Media and preparation requirements are agreed before production.

SURFACE PREPARATION / 03

DETAIL PREPARATION + MASKING

Welds, edges and coating boundaries need individual attention. Detail preparation and masking protect the interfaces that must fit, seal, move or remain identifiable after coating.



DETAIL PREPARATION

- ✓ Localized power-tool preparation
- ✓ Preparation at welds and steel edges
- ✓ Feathering compatible coating transitions
- ✓ Cleaning before the next coating stage

PROTECTED INTERFACES

- ✓ Threads, flanges and gasket faces
- ✓ Machined faces and connection points
- ✓ Tags, seals and moving components
- ✓ Defined coating and repair boundaries

DEFINE WHAT GETS COATED.

Drawings, marked photographs and coating schedules establish masking limits and finish requirements before material enters production.

PROTECTIVE SYSTEMS / 01

ZINC-RICH PRIMER SYSTEMS

Zinc-rich primers form the first layer in specified protective systems for prepared steel. We coordinate the primer with the required intermediate and finish coats as one approved package.



SYSTEM OPTIONS

- ✓ Organic epoxy zinc-rich primers
- ✓ Inorganic zinc systems where specified
- ✓ Structural steel and fabricated supports
- ✓ Primer-only or complete coating packages

APPLICATION REQUIREMENTS

- ✓ Approved product and preparation standard
- ✓ Specified film build and detail coverage
- ✓ Product-specific cure requirements
- ✓ Compatible intermediate and finish coats

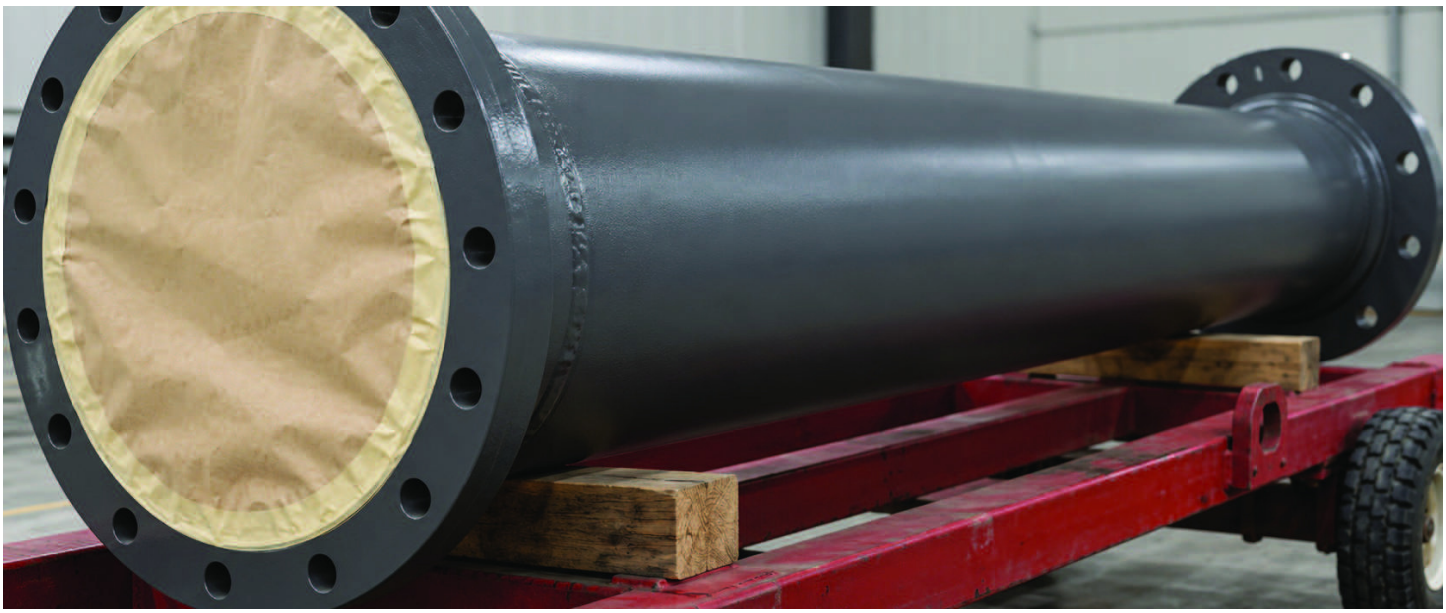
SELECT THE COMPLETE SYSTEM.

Primer, intermediate and topcoat compatibility are established from the approved manufacturer data sheets and the intended service exposure.

PROTECTIVE SYSTEMS / 02

EPOXY COATING SYSTEMS

Epoxy systems support a wide range of specified industrial coating packages. Shop application connects preparation, detail coating and film-build control before components are released for installation.



SHOP APPLICATIONS

- ✓ Epoxy primers and protective barrier coats
- ✓ Specified high-build coating systems
- ✓ Pipe, fabricated steel and equipment exteriors
- ✓ Intermediate coats in approved systems

APPLICATION CONTROL

- ✓ Mix ratio, induction and pot life
- ✓ Stripe coating where required
- ✓ Wet- and dry-film thickness
- ✓ Recoat windows and cure before handling

BUILT AROUND THE SERVICE EXPOSURE

Product selection follows operating conditions, chemical exposure and the complete coating schedule. Interior lining requirements are reviewed separately.

PROTECTIVE SYSTEMS / 03

POLYURETHANE FINISH COATS

Complete the coating package with the specified finish, color and sheen. Polyurethane topcoats are coordinated with compatible primers and intermediates for the component and service environment.



FINISH APPLICATIONS

- ✓ Specified polyurethane topcoat systems
- ✓ Fabricated steel and equipment frames
- ✓ Exposed piping and industrial components
- ✓ Approved color and sheen requirements

FINISH CONTROL

- ✓ Primer compatibility and recoat timing
- ✓ Application conditions and film build
- ✓ Coverage, consistency and detail work
- ✓ Cure and handling protection

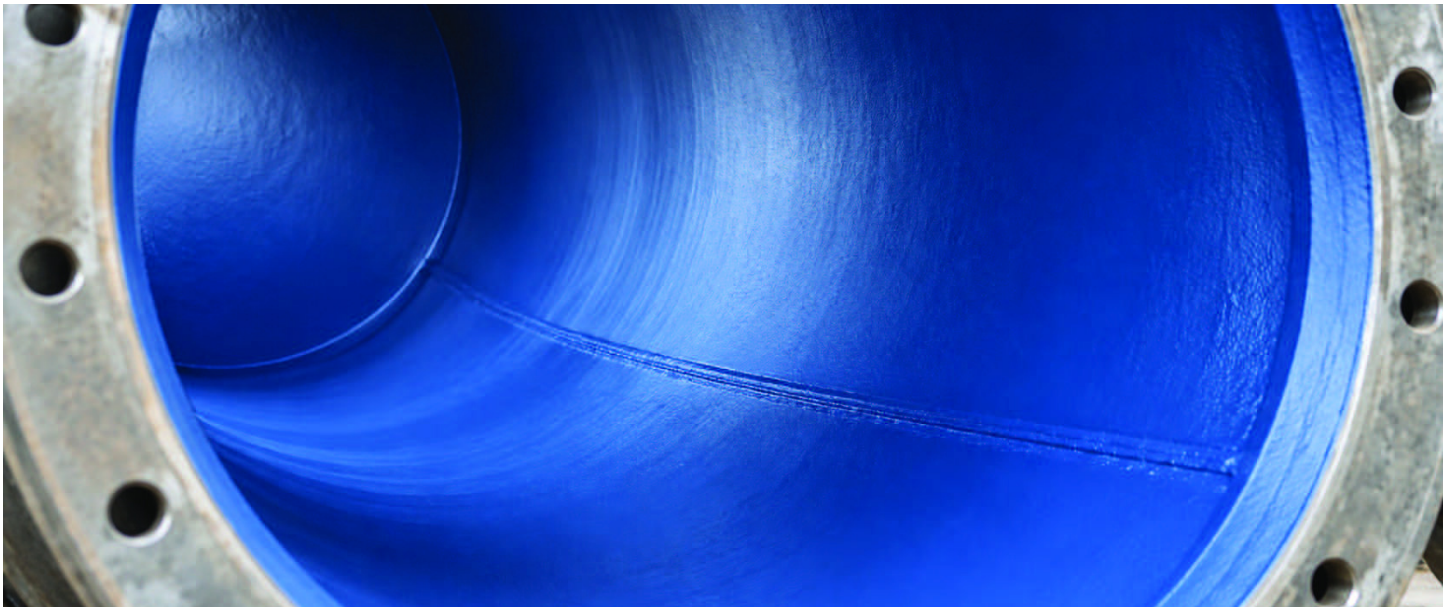
PROTECT THE FINISHED SURFACE.

Finish appearance, cure and handling requirements are reviewed together so the coated components can move into the next stage of the project.

SPECIALTY SYSTEMS / 01

PROTECTIVE LININGS

Interior linings are selected around what the component will contain or contact. We review substrate condition, exposure and acceptance requirements before defining a shop lining package.



LINING SCOPES

- ✓ Tank and vessel interior coating packages
- ✓ Pipe and component internal linings
- ✓ Specified chemical and immersion systems
- ✓ Detail work at welds and penetrations

SERVICE + ACCEPTANCE

- ✓ Contents, concentration and temperature
- ✓ Product suitability and required preparation
- ✓ Film build, cure and lining continuity
- ✓ Holiday or adhesion testing where specified

EXPOSURE DRIVES THE SYSTEM.

Specialty products, application equipment, installer requirements and inspection responsibilities are confirmed for the specific lining package.

SPECIALTY SYSTEMS / 02

HIGH-TEMPERATURE COATINGS

Hot-service components require a system matched to the actual operating conditions. Shop preparation and coating are planned around service temperature, insulation interfaces and the approved product requirements.



PROJECT APPLICATIONS

- ✓ Temperature-rated equipment coatings
- ✓ Shop-coated pipe and steel components
- ✓ Specified coating-under-insulation systems
- ✓ Installation touch-up and repair planning

SYSTEM REVIEW

- ✓ Operating and excursion temperatures
- ✓ Thermal cycling and insulation conditions
- ✓ Preparation and specified coating thickness
- ✓ Product-specific cure or heat-cure needs

CONFIRM THE OPERATING CONDITIONS.

The manufacturer-approved system and its application limits are reviewed before accepting a temperature-service coating package.

SHOP PRODUCTION

WHAT WE PREPARE + COAT

From individual parts to release batches, our shop coating scope follows the fabrication and installation package. Dimensions, piece weights and finish requirements are reviewed before delivery.



FABRICATED STEEL

Beams, columns, platforms, supports, brackets, base plates and miscellaneous fabrications.



PIPE + ASSEMBLIES

Pipe spools, flanged assemblies, supports and components with defined internal and external coating limits.



EQUIPMENT + FRAMES

Equipment exteriors, skids, machinery frames, guards and designated metal components.

PIECE MARKS. DRAWINGS. QUANTITIES. RELEASE DATES.

Send the component list and required finish so we can define a coordinated shop package.

RECEIVING + LOGISTICS / 01

RAIL DELIVERY + STEEL RECEIVING

Our East Chicago shop has rail access for steel deliveries. Receiving, unloading and production priorities are coordinated before the load ships so the material arrives with a clear handling plan.



RAIL RECEIVING

- ✓ Rail deliveries supporting shop coating work
- ✓ Coordinated unloading and staging
- ✓ Piece marks and shipping-list checks
- ✓ Batch priorities tied to production

BEFORE DISPATCH

- ✓ Railcar and delivery coordination
- ✓ Piece dimensions and handling weights
- ✓ Load arrangement and unloading plan
- ✓ Coating scope and required release dates

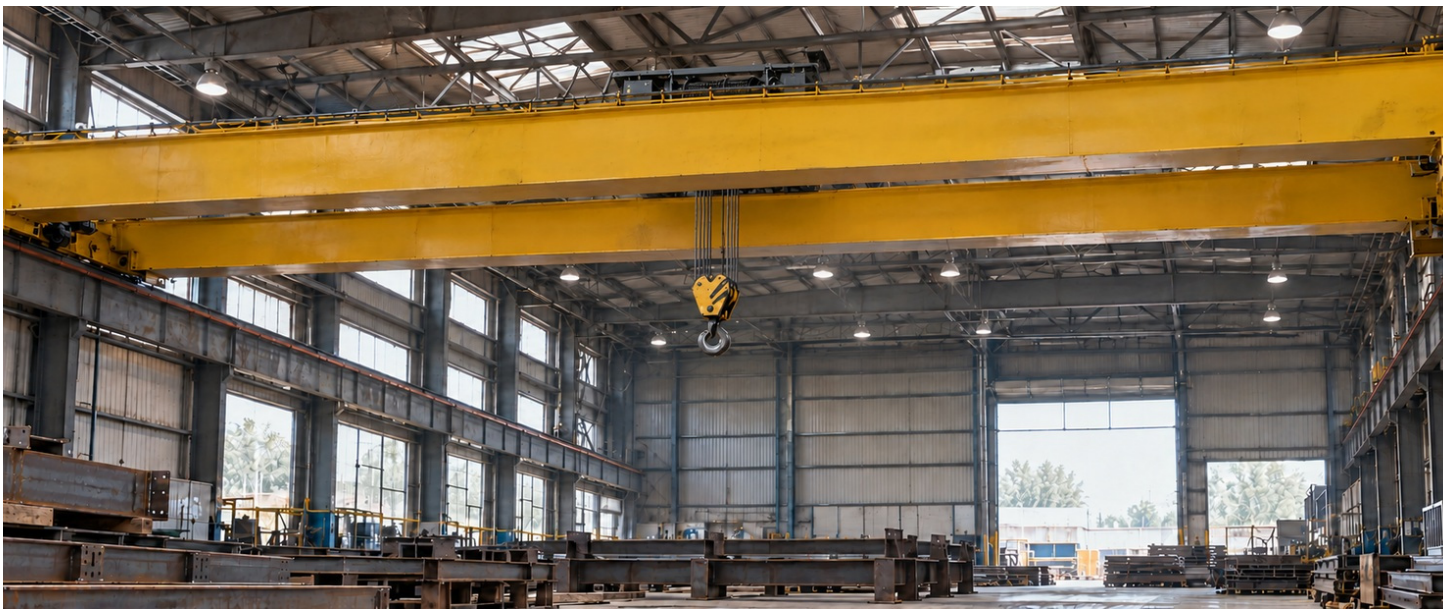
COORDINATE THE LOAD BEFORE IT SHIPS.

Receiving arrangements and handling capacity are confirmed for the specific delivery, with staging and production priorities agreed in advance.

RECEIVING + LOGISTICS / 02

CRANE + MATERIAL HANDLING

Material movement is part of the coating plan. Unloading, staging, transfers and outbound loading are coordinated around component geometry, handling weights and the condition of the finished coating.



HANDLING COORDINATION

- ✓ Crane and equipment handling arrangements
- ✓ Staging by piece mark or release batch
- ✓ Protection between production stages
- ✓ Outbound loading and touch-up planning

LOAD REQUIREMENTS

- ✓ Verified dimensions and piece weights
- ✓ Rigging, balance and pick-point review
- ✓ Cure before lifting or packing
- ✓ Transport supports and finish protection

HANDLING CAPACITY IS LOAD-SPECIFIC.

Lift requirements, rigging, delivery access and equipment capacity are reviewed before accepting the material movement plan.

INSPECTION + DOCUMENTATION

TESTING + QUALITY CONTROL

Inspection requirements are established before production. The project specification defines the checks, acceptance criteria, records and hold points from prepared substrate through final release.



01 SURFACE PREPARATION

Blast cleanliness and profile; dust and soluble-salt checks where required.

02 APPLICATION CONDITIONS

Surface temperature, humidity and dew point; mixing, pot life and recoat timing.

03 COATING + LINING TESTS

Wet- and dry-film thickness; adhesion and holiday testing where specified.

04 RECORDS + FINAL RELEASE

Cure, touch-up and inspection reports; batch records and required acceptance documentation.

DEFINED CHECKS. DOCUMENTED RESULTS.

Test methods and owner or third-party inspection responsibilities are agreed for the project. Instruments are verified for the required measurements.

THE PEOPLE + PROCESS

SAFETY + PRODUCTION CONTROL

A coordinated shop package connects trained people, controlled work areas and a defined production sequence. Safety, material handling and finish protection stay part of the work from receiving through shipment.



PEOPLE + WORK AREA

- ✓ Task planning and crew communication
- ✓ PPE and respiratory protection as required
- ✓ Dust, ventilation and overspray controls
- ✓ Defined work zones and handling routes

PRODUCTION + RELEASE

- ✓ Approved materials and coating schedule
- ✓ Piece identification and batch priorities
- ✓ Hold points, cure and final touch-up
- ✓ Shipping protection and release records

UNION SIGNATORY CONTRACTOR

Chicago / District Council 14. Indiana / District Council 91. BCRC participation through DC 91. Client-specific onboarding requirements coordinated per project.

NORVEX INDUSTRIAL

SEND US YOUR NEXT SHOP COATING PACKAGE.

Drawings, component lists and coating requirements are the starting point. Contact our team to coordinate preparation, application, receiving and delivery.



FOR PRICING + PRODUCTION PLANNING

Drawings and piece marks | Quantities, dimensions and weights
Existing finish and condition | Coating specification | Required dates

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SCAN TO VISIT

Service images include illustrative views. Systems and handling arrangements are confirmed per project.