



FACILITYSPEC™ • ED • 3 PILLARS • 5 STRESSORS • 6 MODULES



FacilitySpec™

Schools & Educational Facilities

Learning spaces first. Chemistry second.

Schools do not fall behind because custodians stop cleaning. They fall behind when the chemistry does not match the room, the fixture, or the season.

ED

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Chem International

10770 180 St NW
Edmonton, AB T5S 2S4

1-800-665-7287

info@chemintonline.com
chemintonline.com

Program

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Emergency

CANUTEC 1-613-996-
6666

Documents

SDS and technical
bulletins are available on
request and are never
gated.

About this guide

FacilitySpec™ is Chem International's facility-type program: a chemistry and operating framework built around the way a particular kind of building actually runs. This edition covers schools and educational facilities.

FacilitySpec™ treats the school as three pillars that share one building day. Clean classrooms without a washroom and drain strategy, and hygiene complaints migrate to the areas students remember most. Build a washroom program without a floor-care plan, and the facility still looks tired no matter how much effort goes into daily cleaning. The strongest programs treat classroom hygiene, washroom performance, and floor and seasonal maintenance as one connected operating system — because for staff, students, and visitors, they are experienced as one.

The guide is organized in six modules. An overview sets out the three operating pillars, the operating route, and the five stressors that define school soils. Three pillar modules each carry a chemistry cabinet, a task-to-product map sheet, and the decision that matters most in that pillar. An operations module sets the school-day rhythm. A playbook module closes with a quick selector, a scorecard, first questions for the site, and a rollout checklist.

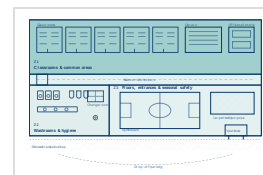
How to read the chemistry cabinets

Each cabinet is shelved by tier. **Daily** is the default route every custodian works from. **Escalation** is corrective chemistry, scheduled and supervisor-controlled. **Controlled** is restricted chemistry — acids and line openers — kept off the daily cart. Colour dots mark the catalogue section a linked product lives in; underlined names link to the product page on chemintonline.com. Unlinked items are supplier-line or program items not yet listed in the CI web catalogue.

● Commercial Sanitation ● Facility Maintenance ● Food Service ● Hand Cleaners

= catalogue section of a linked product

Use this guide with current SDS, label directions, site procedures, school-division requirements, training, PPE, and applicable regulations. This guide is not a dosing manual.



PROGRAM AT A GLANCE

*3 pillars · 5 stressors ·
6 modules · 40 cabinet
entries*

Executive summary

ED

Schools do not fall behind because custodians stop cleaning. They fall behind when the chemistry does not match the room, the fixture, or the season.

Schools do not need a generic janitorial shelf. They need a program that fits how the building is actually used: classrooms turn over all day, washrooms drive most hygiene complaints, floors carry the first impression, and winter entries can become safety issues fast.

FacilitySpec™ treats the school as three pillars that share one building day. Clean classrooms without a washroom and drain strategy, and hygiene complaints migrate to the areas students remember most. Build a washroom program without a floor-care plan, and the facility still looks tired no matter how much effort goes into daily cleaning. The strongest programs treat classroom hygiene, washroom performance, and floor and seasonal maintenance as one connected operating system — because for staff, students, and visitors, they are experienced as one.

Each pillar gets its own chemistry cabinet, a task-to-product map, and the one decision that keeps it stable over time. Behind the pillars sits a shift rhythm tuned to the bell and the academic calendar — touch-ups while rooms are occupied, the full route after the last bell, and restoration in the dark windows.

Key highlights

- Three pillars, one connected system: classroom hygiene, washroom performance, and floor and seasonal maintenance are experienced by staff and students as one building.
 - Standardize before you optimize: inconsistent classroom practice creates more risk than a slightly imperfect product — reduce variation first, then fine-tune chemistry.
 - Odour is a drain problem, not a fragrance problem: washroom complaints come from drain condition, urine accumulation, and servicing gaps — the maintenance layer fixes them, not a stronger smell.
 - Winter is one program seen from two doors: exterior ice control and interior salt recovery are the same job, and daily floor cleaner never restores a worn finish — restoration belongs in dark windows.
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Why schools drift – and how custodial teams keep the whole building moving

SECTION 01 • PROGRAM OVERVIEW

Three operating pillars. One connected system.

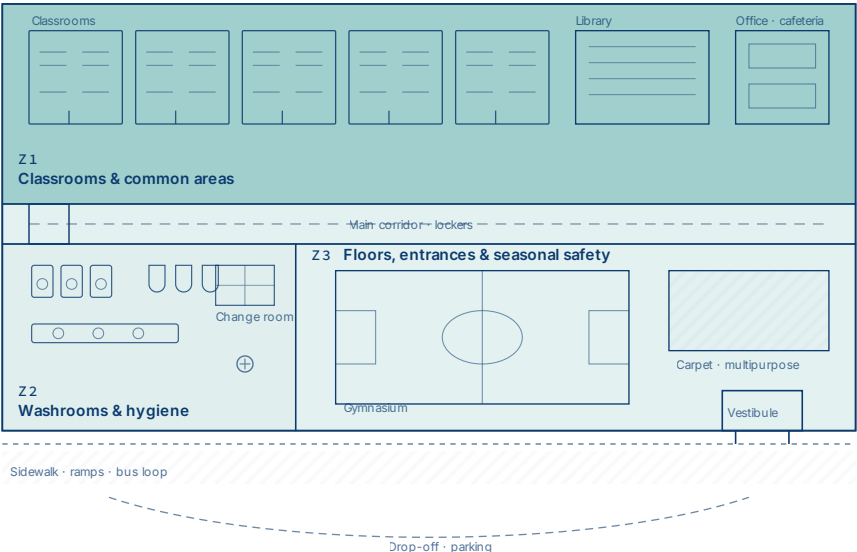
Schools do not need a generic janitorial shelf. They need a program that fits how the building is actually used: classrooms turn over all day, washrooms drive most hygiene complaints, floors carry the first impression, and winter entries can become safety issues fast.

*“Learning spaces first.
Chemistry second.”*

Exhibit 1

Three operating pillars — one connected system

Z1	Classrooms & common areas High-touch · shared spaces · glass	10
Z2	Washrooms & hygiene Fixtures · drains · odour · hands	14
Z3	Floors, entrances & seasonal safety Finish · carpet · winter traction	16



Counts = cabinet entries in the module. Hatched strip = exterior entry, vestibule matting, and the bus loop; dashed line = site boundary.

Schematic plan. Pillar boundaries are illustrative and should be mapped to the actual campus before rollout.

Source: Chem International FacilitySpec™

What the program has to survive

FacilitySpec™ treats the school as three pillars that share one building day. Clean classrooms without a washroom and drain strategy, and hygiene complaints migrate to the areas students remember most. Build a washroom program without a floor-care plan, and the facility still looks tired no matter how much effort goes into daily cleaning. The strongest programs treat classroom hygiene, washroom performance, and floor and seasonal maintenance as one connected operating system — because for staff, students, and visitors, they are experienced as one.

“Variation, not weak chemistry, is the usual root cause.”

Exhibit 2

The operating route

1 Identify The room, fixture, floor, or entry	2 Match Chemistry to soil, surface, and school-day timing	3 Apply By labelled dilution, dwell, and SOP	4 Verify Touchpoints, odour, gloss, traction
--	--	---	---

Identify, match, apply, verify — the same four moves in every pillar and every season.

Source: Chem International FacilitySpec™

Exhibit 3

Five stressors that define school soils

STRESSOR 01 Touchpoint turnover Desks, door plates, switches, and shared devices change hands every period. High-touch load never stops arriving, and it is spread across dozens of rooms with different people cleaning them.	STRESSOR 02 Washroom volume & odour Student washrooms take more fixture use per hour than almost any other institutional space. Urine accumulation, drain loading, and mineral scale build faster than a fragrance can hide them.	STRESSOR 03 Finish wear on corridors Hallways carry grit, water, and salt from hundreds of pairs of shoes a day. Finish dulls in traffic lanes long before the rest of the floor, and daily mopping cannot restore it.	STRESSOR 04 Winter carry-in Ice melt and slush move from the bus loop into vestibules and corridors. Traction outside and white salt film inside are the same problem seen from two doors.	STRESSOR 05 Improvisation Teachers grab their own wipes, custodians borrow a bottle from the next school, and every site invents its own washroom logic. Variation, not weak chemistry, is the usual root cause.
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Each stressor maps to at least one pillar; improvisation (Stressor 05) is why standardization comes before chemistry.

Source: Chem International FacilitySpec™

Three pillars, one connected system

“One product cannot carry three pillars.”

Exhibit 4

The balanced-package rule

THREE PILLARS, ONE SYSTEM

- Classroom chemistry protects shared-touch environments and daily presentation.
- Washroom chemistry controls hygiene, drain conditions, and visible complaint points.
- Floor and seasonal chemistry protects appearance, traction, and the first impression of the building.
- Do not let one pillar absorb work that belongs to another. That is how shelves grow and results drift.

PLANNING MISTAKES THIS GUIDE HELPS AVOID

- Using one “all-purpose” product to solve classrooms, washrooms, and floors at once.
- Treating washroom odour like a fragrance problem instead of a drain and maintenance problem.
- Trying to fix dull floors with more daily cleaner instead of a proper restorative cycle.
- Waiting until snow events to think about entrance and exterior chemistry.

Do not let one pillar absorb work that belongs to another — that is how shelves grow and results drift.

Source: Chem International FacilitySpec™

SAFETY FLOOR

Follow site SOPs, SDS, product labels, and applicable school-division requirements. **Label secondary bottles.** Keep disinfectants, washroom chemistry, drain products, floor systems, and ice-control products in their own lanes. Never mix acid bowl cleaners with disinfectants, peroxide, bleach, or drain products.

STANDARDIZATION MATTERS

In educational settings, inconsistent classroom practice usually creates more risk than a slightly imperfect product choice. Reduce variation first. Then fine-tune chemistry.

Working from a complaint, not a plan?

The Quick Selector starts with the symptom — “hallways are cleaned every day but still look tired” — and points to the right first move.

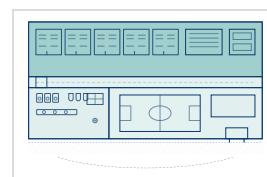
Quick Selector · page 19

Classrooms & Common Areas

■ SECTION 02 • PILLAR 1 • CLASSROOMS & COMMON AREAS

High-touch surfaces, shared devices, glass, marker and gum response, cafeteria tables, and hand hygiene support.

Use a stable disinfectant platform for desks, handles, switches, and shared surfaces. Keep wipe-based products where speed and standardization matter. Separate routine glass care from disinfection, escalate art-room and vandalism soils only where they occur, and give the cafeteria its own clean-then-sanitize route.



RESULT

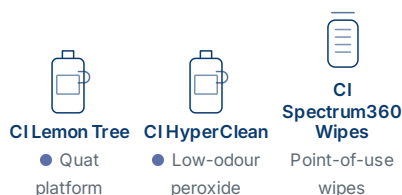
Cleaner shared spaces, lower touchpoint risk, one visual standard across the campus

“One stable disinfectant platform for shared-touch surfaces. Glass care separate from disinfection. Hand hygiene as part of the area program, not an afterthought.”

THE CHEMISTRY CABINET • colour dot = the catalogue section each product lives in • underlined names link to the product page on chemintonline.com

HIGH-TOUCH DISINFECTION – THE DEFAULT ROUTE

Match one platform to every classroom before adding options.



GLASS, PRESENTATION & GENERAL SOIL

Keep presentation products off the disinfection route.



CAFETERIA & SERVERY

Food-contact readiness is a different standard from classroom disinfection.



VANDALISM RESPONSE – TARGETED

Gum, wax, marker, and graffiti.
Corrective, not daily.



Exhibit 5

Sheet ED-02 • Classrooms & common areas

SHEET ED-02	PILLAR Classrooms & common areas	STANDARD Touchpoints reset • glass clear • one platform • no improvised bottles	PRODUCTS 10
WHITEBOARD • TEACHER STATION • DESKS • SHARED TABLES • HIGH-TOUCH CAFETERIA TABLE • FOOD-CONTACT DOOR • HANDLE • PUSH PLATE • GLASS • SIGHTLINES ZONE 1 EXTENT			
TASK / AREA • BEST-FIT PRODUCTS		WHY IT BELONGS • OPERATOR NOTE	
①	Daily high-touch disinfection ● CI Lemon Tree ● CI HyperClean Hydrogen Peroxide Surface Cleaner	Quaternary cleaner-disinfectant for desks, door plates, handles, switches, teacher stations, and shared surfaces, with a peroxide option where a lighter odour profile is preferred in occupied rooms. Standardize one platform division-wide. Remove visible soil first, then apply by label contact time — not by feel.	
②	Portable touchpoint reset • devices CI Spectrum360 Wipes	Pre-moistened wipe format for keyboards, phones, tablets, reception counters, and health-room touchpoints where bottle-and-cloth routines drift by user or shift. One wipe does not do a whole room. Confirm surface compatibility and keep the surface wet for the labelled time.	
③	Cafeteria tables & food-contact surfaces ● CI OstroSan Quat ● CI Blast Kitchen Surface	Food-contact quat sanitizer for tables and serving counters after cleaning, with a foaming food-area degreaser for servery and kitchen exteriors. Clean, then sanitize. Do not run whichever classroom disinfectant is on the cart across meal-service surfaces.	
④	Marker, adhesive & art-room soil ● CI Orange Power ● CI CitraGuard Multi Surface	Citrus cleaner-degreaser for marker residue, glue, oily fingerprints, and heavier art or shop buildup; citrus multi-surface cleaner and polish where presentation follows soil removal. Treat the problem area with the right chemistry instead of making every classroom cleaner stronger. Pre-test finishes.	
⑤	Door hardware, lockers & graffiti ● CI Vandasol Graffiti Remover Gel	Clinging graffiti-remover gel for ink, marker, crayon, and adhesive residue on suitable vertical surfaces in stairwells, lockers, and washrooms. Vertical dwell is the point. Pre-test unverified plastics and painted finishes; ventilate as the SDS directs.	
⑥	Glass, mirrors & sightlines ● CI Windowshine Professional	Concentrated non-streak glass cleaner for classroom windows, common-area glass, office partitions, and mirrors. Dedicated microfibre, kept separate from disinfectant cloths. This is a presentation product, not a substitute for the disinfection route.	
⑦	Hand-hygiene support in classrooms ● CI Foaming Hand Wash ● CI SaniHands IPA 70%	Foaming hand soap and NPN-registered 70% IPA sanitizer for classroom sinks, entrances, and staff areas — the same formats used in the washroom program. Standardize dispenser type before optimizing refills. Sanitizer does not replace handwashing when hands are visibly soiled.	
⑧	Gum, wax & stuck deposits ● CI Spray n Freeze	Freeze-and-scrape aerosol for gum and wax on desks, seating, floors, and common areas. Mechanical removal after freezing is cleaner than chasing softened gum with solvent into porous carpet or upholstery.	

Callouts on the elevation correspond to the numbered rows. CI Spectrum360 Wipes is shown without a catalogue link pending its WooCommerce listing.

Source: Chem International FacilitySpec™

Exhibit 6

The classroom logic

1 Standardize the platform One disinfectant, division-wide	2 Wipes where speed matters Devices, desks, reception	3 Glass on its own Presentation, not disinfection	4 Cafeteria separate Clean, then food-contact sanitize	5 Escalate only the spot Marker, gum, graffiti
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Standardize the platform first; escalation chemistry is corrective and appears only where the soil does.

Source: Chem International FacilitySpec™

Exhibit 7

Standard platform or corrective escalation?

THE STANDARD PLATFORM IS ENOUGH WHEN...

- Every classroom uses the same disinfectant and the same wipe format.
- Teachers are not bringing their own products.
- Glass and mirrors are cleaned on their own route.
- Cafeteria tables have a defined clean-then-sanitize step.

STANDARD ROUTE

ESCALATE • SPOT

Room or spot?
platform vs corrective

ESCALATE ONLY THE SPOT WHEN...

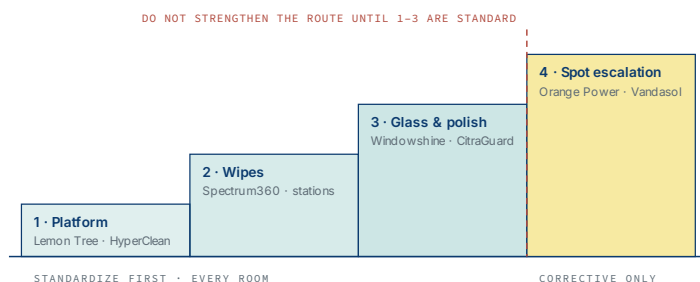
- Marker, glue, or oily buildup is beyond the daily cleaner.
- Gum, wax, or graffiti appears in stairwells, lockers, or washrooms.
- A strong chemical smell is generating complaints in occupied rooms — switch the platform, not the dose.
- Fingerprint-heavy glass and stainless keep looking marked after disinfection.

Escalation is a targeted, spot-level move — not a reason to change the division-wide platform.

Source: Chem International FacilitySpec™

Exhibit 8

Platform → wipes → glass → escalate.



SIGNS THIS PILLAR IS UNDER-BUILT

Teachers improvising their own wipe-down chemistry. Common-area glass always looking marked or streaked. Inconsistent sanitizer or soap formats between sites. High-touch disinfection happening differently from classroom to classroom. Cafeteria tables sanitized with whatever bottle is closest.

LOW-ODOUR ROOMS

Libraries, offices, learning-support rooms, and health rooms are occupied while they are cleaned. A peroxide platform improves acceptance without abandoning routine surface disinfection. Never mix peroxide chemistry with other products.

Steps 1-3 standardize the room. Step 4 is corrective and appears only where the soil does.

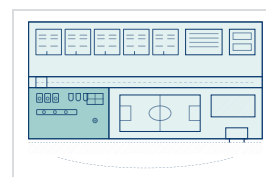
Source: Chem International FacilitySpec™

Washrooms & Hygiene

■ SECTION 03 • PILLAR 2 • WASHROOMS & HYGIENE

Fixtures, scale recovery, tile and grout, urinal odour, drains, waste rooms, and the hand-hygiene network.

Use daily fixture-safe chemistry first, then add odour and drain control as a maintenance layer. Reserve acid descaling for planned recovery work. Keep urinal screens, drain treatment, waste-room odour control, and hand hygiene tied together as one washroom program — because that is how students experience it.



RESULT

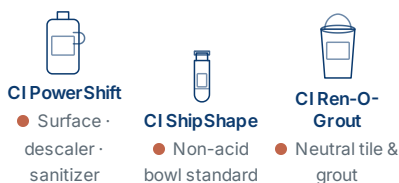
Better odour control, cleaner fixtures, fewer recurring washroom complaints

“Daily fixture-safe chemistry first. Odour and drain control as a maintenance layer — not as an emergency response.”

THE CHEMISTRY CABINET • colour dot = the catalogue section each product lives in • underlined names link to the product page on chemintonline.com

DAILY WASHROOM ROUTE

Custodians should know the daily default before learning the escalation products.



HAND-HYGIENE NETWORK

Fewer dispenser formats, clearer refill ownership.



ODOUR & DRAINS — THE MAINTENANCE LAYER

Fragrance is not odour control. Screens, drains, and source zones are.



SCALE RECOVERY & CORRECTIVE — SCHEDULED

Planned, supervised, and never on the daily cart.

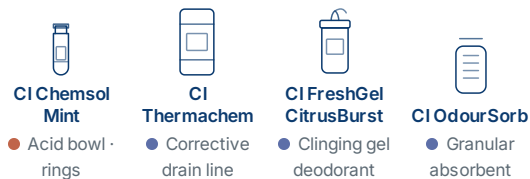


Exhibit 9

Sheet ED-03 • Washrooms & hygiene

SHEET	PILLAR	STANDARD	PRODUCTS
ED-03	Washrooms & hygiene	Fixtures clean • no return odour • drains flowing • stations stocked	14
TOILET • BOWL RING URINAL • SCREEN SINKS • MIRROR • SOAP • SANITIZER FLOOR DRAIN • TRAP • TILE CHANGE ROOM • GROUT ZONE 2 EXTENT			
TASK / AREA • BEST-FIT PRODUCTS		WHY IT BELONGS • OPERATOR NOTE	
①	Routine daily washroom cleaning ● CI PowerShift ● CI ShipShape	Heavy-duty restroom surface cleaner, descaler, and sanitizer for sinks, counters, partitions, and tile, paired with a non-acid bowl cleaner as the everyday toilet and urinal standard. Best as the standardized daily chemistry across every school in the division. Keep it separate from acid descalers and drain products.	
②	Urinal odour support ● CI Wave 360 Urinal Screen	Bio-enzymatic urinal screen with an anti-splash pattern, changed on a 60-day cycle, to hold odour and splash at the fixture between cleanings. Screens belong with, not instead of, a drain-maintenance program. Date the screen when it goes in.	
③	Sinks, mirrors & the hand-hygiene station ● CI Foaming Hand Wash ● CI PCMX AntiBacterial Soap ● CI SaniHands IPA 70%	pH-balanced foaming soap for general washrooms, DIN-registered PCMX antibacterial soap where a neutral fragrance-free option is required, and NPN-registered 70% IPA sanitizer at entrances and cafeterias. Standardize dispenser type first. Empty stations are the most visible hygiene failure a school has.	
④	Soap and sanitizer refill logistics ● CI Foaming Hand Wash ● CI SaniHands IPA 70%	The same two formats carried into classrooms, cafeterias, and staff areas so replenishment is one route, not five. Assign refill ownership by wing. Refill inconsistency causes unnecessary labour and confusion.	
⑤	Waste rooms, bins & source odour ● CI NeutraBac ● CI OdourSorb Granular ● CI FreshGel CitrusBurst	Concentrated odour-control cleaning solution for garbage rooms and bin exteriors, granular absorbent for wet, spill-prone waste points, and a clinging jelled deodorant where continuous fragrance is needed after the source is handled. Clean the source zone, fix leaks and pickup frequency, then add fragrance. Not the other way around.	
⑥	Routine drain maintenance ● CI EverClear Bio Enzyme Drain ● CI PressureDrop	Thick-bodied bio-enzyme drain treatment for scheduled dosing of floor drains, mop sinks, and low-flow lines; granular non-acid treatment where heavier organic loading needs a faster reset. Dose after the last bell so the biology gets dwell time. Waiting until odour is severe means the program started too late.	
⑦	Tile, grout, change rooms & scale recovery ● CI Ren-O-Grout ● CI Chemsol Mint	Neutral tile-and-grout cleaner for everyday maintenance of ceramic, porcelain, and sealed stone, with a clinging acid bowl cleaner reserved for mineral rings, rust staining, and hard-water scale that no longer respond to the daily route. Acid work is planned and supervised. Never mix with disinfectants, peroxide, bleach, or drain products. Verify surface compatibility.	
⑧	Corrective drain-line cleaning ● CI Thermachem	Fast-acting drain and sewer opener for organic blockages restricting flow, reserved for cases where routine biological or granular maintenance is not enough. Trained maintenance response only, label and SDS-driven. Do not collapse corrective response and routine care into the same SOP.	

Exhibit 10

The washroom logic

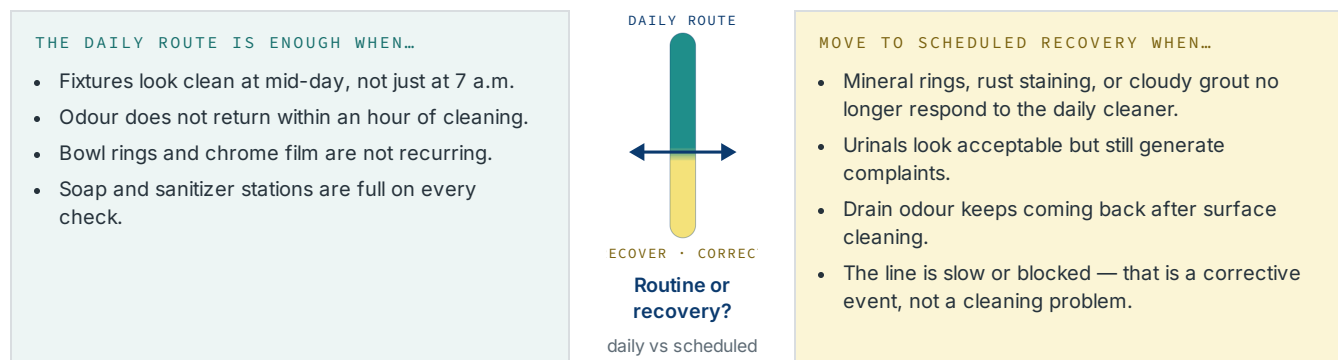
1 Set the daily route Surface cleaner + non-acid bowl standard	2 Add urinal support Screens as a layer, not a fix	3 Drains on schedule Bio-enzyme before odour becomes a call	4 Hands standardized Soap and sanitizer, same formats every site	5 Recover scale on plan Acid bowl and grout work · supervised
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Set the daily route and the maintenance layer before acid or line openers ever come off the shelf.

Source: Chem International FacilitySpec™

Exhibit 11

Routine daily chemistry or scheduled recovery?

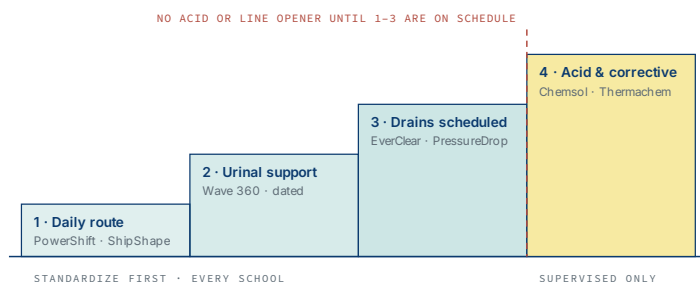


Recovery is scheduled and supervised — it belongs on the calendar, not on the daily cart.

Source: Chem International FacilitySpec™

Exhibit 12

Daily route → screens → drains on schedule → acid on plan.



WASHROOM REALITY CHECK

Fragrance alone is not odour control. If odour returns quickly, the real issue is usually drain condition, urine accumulation points, or inconsistent servicing — not that the cleaner smells weak.

SIGNS THIS PILLAR IS UNDER-BUILT

Odour returns shortly after cleaning. Urinals look acceptable but still generate complaints. Different schools are using entirely different washroom chemistry logic. Drain-line intervention is always reactive. Health-room touchpoints are cleaned with whatever is nearest.

Daily route, urinal support, and scheduled drains come first; acid and corrective work are supervised only.

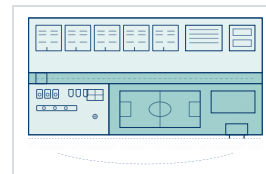
Source: Chem International FacilitySpec™

Floors, Entrances & Seasonal Safety

■ SECTION 04 • PILLAR 3 • FLOORS, ENTRANCES & SEASONAL SAFETY

Daily hard-floor maintenance, gym floors, restorative cycles, carpet care, winter entrances, and exterior ice control.

Build the floor and seasonal pillar around appearance, traction, and timing — not around what is already on the shelf. Neutral chemistry maintains. Rejuvenation extends the interval. Strip-seal-finish restores in dark windows. Carpet gets spot response and a full extraction cycle. Winter control starts on the sidewalk and finishes with salt recovery at the door.



RESULT

Better visual presentation, safer entries, and more consistent seasonal readiness

“Daily floor cleaner is not a restorative program. Strip, seal, finish, carpet extraction, and ice control each solve different operational problems.”

THE CHEMISTRY CABINET • colour dot = the catalogue section each product lives in • underlined names link to the product page on chemintonline.com

ROUTINE HARD-FLOOR MAINTENANCE

Low-residue daily chemistry matched to mop, bucket, or autoscrubber.



CI NutraClean pH 7
● Neutral pH daily



CI HG Concentrate
● Soap-free gym & resilient



CI Dust Mop Treatment L
● Dust-mop treatment

RESTORATIVE FLOOR SYSTEM

Rejuvenate while the coating is recoverable. Restore only in dark windows.



CI Redemption XL
● Traffic-lane rejuvenator



CI UltraStrip X
● Strip



CI UltraSeal X
● Seal



CI UltraShine X
● High-solids finish

CARPET & SOFT-SURFACE CARE

Spot response first, then a full pre-treat → extract → protect cycle.



CI CSR Shoot Out
● Aerosol spotter



CI Carpet Enzyme Pre-Treat
● Enzyme pre-treatment



CI Carpet Extraction
● Extraction solution



CI Carpet Shampoo
● Low-foam shampoo



CI Commander SoilGuard
● Anti-soil protectant



CI Chemelt
● Granular ice melter



CI MeltDown
● Liquid non-corrosive deicer



CI FrostShield
● Pre-treatment enhancer



CI SaltBurn
● Salt-film recovery

WINTER ENTRANCES & EXTERIOR — SEASONAL

Control the source outside; recover the film inside.

Exhibit 13

Sheet ED-04 • Floors, entrances & seasonal safety

SHEET	PILLAR	STANDARD	PRODUCTS
ED-04	Floors, entrances & seasonal safety	Gloss held • traction kept • no white film • restoration on the calendar	16
Diagram illustrating the layout of a school building with numbered zones 1 through 7, corresponding to the tasks and products listed below. Zone 1: Sidewalk, Ramp, Bus Loop Zone 2: Vestibule, Matting, Salt Film Zone 3: Corridor, Finish Layers, Lane Zone 4: Gym, Sport Floor Zone 5: Library, Carpet Zone 6: Entrance Approach Zone 7: Ramp, Step, Entrance Approach			
TASK / AREA • BEST-FIT PRODUCTS		WHY IT BELONGS • OPERATOR NOTE	
①	Exterior ice control • sidewalks, ramps, bus loop ● CI Chemelt Ice Melter ● CI MeltDown Liquid Deicer ● CI FrostShield Liquid Snow & Ice-Control	Nitrogen-based granular ice melter effective to -30 °C for sidewalks, stairs, and drop-off zones; chloride-free liquid deicer for metal, concrete, and planted edges; liquid pre-treatment that improves salt and sand coverage before the event. Apply before the storm as part of a re-application checklist, not as a one-time response. Over-application outside becomes salt film inside.	
②	Vestibule matting & tracked salt ● CI SaltBurn Salt Residue Stain Remover	Targeted salt-residue remover that dissolves white chalking, de-icer film, and winter tracking from entry floors, mats, and carpet. Treat salt as a special soil instead of overdosing neutral floor cleaner. Keep entry floors dry and controlled.	
③	Daily corridor & classroom floors ● CI NutraClean pH 7 Detergent ● CI Dust Mop Treatment L	Neutral pH, non-alkaline cleaner for finished floors that leaves no soapy residue or streaks, with a water-based dust-mop treatment that improves dry pickup between wet cycles. Best when standardized to equipment type — mop, bucket, or autoscrubber. Dry the route before students return.	
④	Worn traffic lanes • finish recovery ● CI Redemption XL Floor Restorer ● CI UltraStripX ● CI UltraSealX Floor Sealer ● CI UltraShine X High Solids	Non-acid floor restorer that cleans and rejuvenates polymer finish in one pass for lanes that are dull but not failed; low-odour stripper, penetrating sealer, and high-solids finish for the full restorative cycle when the coating has worn through. Rejuvenate while the coating is recoverable. Reserve strip-seal-finish for breaks and summer windows with trained staff, correct pads, and ventilation.	
⑤	Gym & sport floors ● CI HG Concentrate Synthetic Detergent	Neutral, non-soap synthetic floor cleaner engineered for daily use on finished floors without dulling, streaking, or leaving re-soiling residue. Soap film changes footing. Follow the flooring manufacturer and school SOP before using any chemical on a sports surface.	
⑥	Library, office & entrance carpet ● CI CSR Shoot Out Carpet Stain Remover ● CI Carpet Enzyme Pre Treatment ● CI Carpet Extraction Cleaning Solution ● CI Carpet Shampoo Cleaning Solution ● CI Commander SoilGuard	Aerosol spotter for immediate food, drink, and tracked-soil response; enzyme pre-treatment for organic soils ahead of extraction; pH-neutral extraction solution and low-foam shampoo for the periodic deep cycle; anti-soil protectant to slow re-soiling in traffic lanes. Colourfast-test, do not overwet, and control access until dry. Repeated spotter alone will not solve broad re-soiling.	
⑦	Ramp, step & entrance approach ● CI Chemelt Ice Melter	Fast-acting granular melt penetrates and breaks down ice on stairs and ramps where a slip is most likely. Bus-loop and ramp checks belong on the operating calendar before the first snow event, not after the first complaint.	

Exhibit 14

The restorative sequence

1 Maintain daily Neutral chemistry between cycles	2 Rejuvenate lanes Mid-cycle, no strip	3 Strip Remove failed finish	4 Seal Build the base layer	5 Finish Gloss and wear resistance
--	--	--	---	---

Maintain and rejuvenate before you strip; strip-seal-finish is a dark-window job, not a school-week one.

Source: Chem International FacilitySpec™

Exhibit 15

Daily maintenance or scheduled restoration?

DAILY MAINTENANCE IS ENOUGH WHEN...

- Corridors look clean after the nightly route, not just wet.
- Gloss is even across the lane and the edge.
- Entry mats dry within the morning.
- Ice control is applied on the same trigger at every door.

MAINTAIN

ESTORE • RECOVER

Maintain or restore?

daily vs dark windows

MOVE TO REJUVENATION OR RESTORATION WHEN...

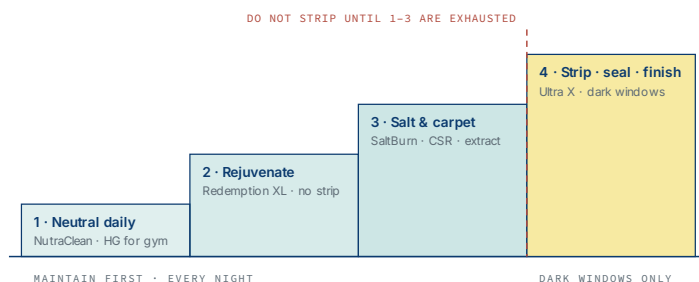
- Hallways never look clean no matter how often they are mopped.
- Traffic lanes lose gloss within days of burnishing.
- Entry carpet stays dark or wet long after the traffic surge.
- White salt film is back the morning after cleaning.

Rejuvenate while the coating is recoverable; strip-seal-finish only in breaks and summer windows.

Source: Chem International FacilitySpec™

Exhibit 16

Neutral → rejuvenate → strip / seal / finish → last.



IMPORTANT DISTINCTION

Daily floor cleaner maintains. Strip / seal / finish restores. Ice melt protects traction. Carpet extraction resets soft surfaces. These are different jobs. Treating them as one job is how maintenance programs drift and still underperform.

WINTER IS ONE PROGRAM SEEN FROM TWO DOORS

Exterior ice control and interior salt recovery are the same job. Better outside application reduces the amount of white film custodians fight indoors, and a vestibule that stays dry is the cheapest slip-risk control the building has.

Neutral daily, rejuvenation, and salt/carpet recovery come first; stripping is a dark-window job.

Source: Chem International FacilitySpec™

Operations & the School-Day Rhythm

SECTION 05 • OPERATIONS & THE SCHOOL-DAY RHYTHM

During the day, after the last bell, weekly focus, scheduled maintenance, and planned recovery in breaks and summer.

Schools run on a bell schedule and an academic calendar: touch-ups and spill response while rooms are occupied, the full route after the last bell, weekly checks that reduce recurrence, scheduled drain and carpet work, and planned restoration when the building is dark. A recurring review of odour complaints, floor appearance, hand-hygiene consistency, and slip-risk exposure keeps the three pillars aligned — and keeps emergency chemistry off the schedule.

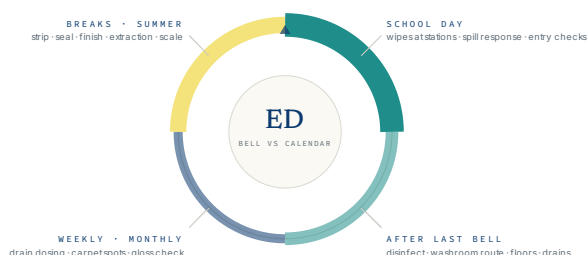
RESULT

Schedule around the bell and the calendar, not the clock

“Do not schedule custodial work around the clock. Schedule it around the bell, the weekend, and the break.”

Exhibit 17

Bell vs. calendar



RHYTHM FOCUS POINTS

- **School day:** wipes at stations, cafeteria sanitizing after lunch, spill and ice response.
- **After the bell:** the platform in every room, the washroom route, neutral floors, salt film lifted.
- **Scheduled:** drain dosing, screen dates, lane rejuvenation, and carpet cycles on the calendar.
- **Breaks and summer:** strip-seal-finish, deep extraction, descale, and winter stock staged.

COMMON SCHEDULING FAILURES

- Running the full route while rooms are occupied and rushing it.
- Treating odour with line opener instead of scheduled biological dosing.
- Stripping floors in October because gloss failed and nobody rejuvenated in September.
- Ordering ice melt after the first storm.

The dial reads clockwise from the school day. Arc weight indicates relative intensity across the bell and the calendar.

Source: Chem International FacilitySpec™

THE SCHEDULING PRINCIPLE

The bell triggers touch-ups. The last bell triggers the route. Trends trigger the review. Emergency chemistry should never be the schedule — if it is, the maintenance path is missing.

The operating cadence

The school's rhythm reads down; the three pillars read across. Shaded rows are the daily route every custodian runs. Yellow-edged rows are corrective and recovery work — scheduled and supervisor-controlled.

“After the bell is where tomorrow’s complaints are prevented.”

Exhibit 18

The operating cadence — pillars by the school's rhythm

RHYTHM ↓ • PILLAR → • OPERATOR NOTE	Z1 • CLASSROOMS & COMMON	Z2 • WASHROOMS & HYGIENE	Z3 • FLOORS & SEASONAL
During the school day Touch-ups, spills, station checks <i>Occupied rooms get touch-ups, not the full route. Keep it quick and standard.</i>	Teacher stations and devices reset · cafeteria tables clean-then-sanitize after each lunch ● CI Spectrum360 Wipes ● CI OstroSan Quat	Mid-day fixture and soap check · odour walk at entry ● CI Foaming Hand Wash ● CI SaniHands IPA 70%	Spill and carpet spot response · vestibule mats checked · ice re-applied on trigger ● CI CSR Shoot Out Carpet Stain Remover ● CI Chemelt Ice Melter
After the last bell The full route, room by room <i>After the bell is where tomorrow’s complaints are prevented. That is the decision point.</i>	Desks, handles, switches on the platform · glass on its own route ● CI Lemon Tree ● CI Windowshine Professional	Daily route: surfaces, then bowls · tile and grout · waste room ● CI PowerShift ● CI ShipShape ● CI Ren-O-Grout ● CI NeutraBac	Neutral route on corridors · gym soap-free · salt film lifted ● CI NutraClean pH 7 Detergent ● CI HG Concentrate Synthetic Detergent ● CI SaltBurn Salt Residue Stain Remover
Weekly focus Recurrence checks, dated consumables <i>Weekly work should reduce recurrence, not create a second version of the nightly route.</i>	Gum, marker, and graffiti sweep · sanitizer stations dated ● CI Spray n Freeze ● CI Vandasol Graffiti Remover Gel	Urinal screens checked and dated · bins and absorbent ● CI Wave 360 Urinal Screen ● CI OdourSorb Granular	Gloss and lane check · dust-mop treatment · pre-treat before storms ● CI Dust Mop Treatment L ● CI FrostShield Liquid Snow & Ice-Control ● CI MeltDown Liquid Deicer
Scheduled maintenance Drains, carpet, scale, gloss <i>If the same issue keeps coming back, the cadence is wrong or the daily route is under-built.</i>	Art and shop rooms degreased · servery exteriors ● CI Orange Power ● CI Blast Kitchen Surface	Drains dosed after hours · rings and scale recovered on plan ● CI EverClear Bio Enzyme Drain ● CI PressureDrop ● CI Chemsol Mint	Traffic-lane rejuvenation · carpet pre-treat and extraction ● CI Redemption XL Floor Restorer ● CI Carpet Enzyme Pre Treatment ● CI Carpet Extraction Cleaning Solution ● CI Carpet Shampoo Cleaning Solution
Breaks & summer Restoration, deep extraction, exterior prep <i>Restoration belongs in dark windows — never in the middle of a school week.</i>	Wall-to-wall wipe-down and locker interiors · platform review with the division	Change-room grout and full descale · corrective line work if flagged ● CI Thermachem	Strip, seal, finish · carpet protected · winter stock staged ● CI UltraStripX ● CI UltraSealX Floor Sealer ● CI UltraShine X High Solids ● CI Commander SoilGuard
Review rhythm What management checks each cycle <i>Review the trend, not the incident. Repeating chemistry without diagnosis wastes labour.</i>	Improvised bottles found, touchpoint audit, station empties	Odour complaint type, screen dates, station empties, drain trend	Gloss trend, slip incidents, carpet dry-time, ice-melt use per door

□ Daily route — trained to every custodian

□ Corrective & recovery — scheduled, supervisor-controlled

Product chips indicate the anchor chemistry for that cell; full cabinets are in the pillar modules.

Playbooks & QA

SECTION 06 • PLAYBOOKS, QUICK SELECTOR & QA

Start with the symptom, verify the standard, then choose the right route.

This section is deliberately plain-English. When a site describes a problem rather than requesting a product, this crosswalk identifies the pillar and the starting chemistry.

“Start with the complaint, not the chemistry name.”

Exhibit 19

Quick selector — start with the complaint • 1 of 2

IF THE SITE SAYS...	IT'S PROBABLY A...	START WITH...
<i>Classroom & common-area symptoms</i>		
<i>“We need one reliable disinfectant for desks and touchpoints.”</i>	Disinfectant standardization problem	● CI Lemon Tree ● CI HyperClean Hydrogen Peroxide Surface Cleaner Pick one platform for the division and train it to every room.
<i>“Teachers want something fast for daily wipe-downs.”</i>	Portable, wipe-based touchpoint reset	● CI Spectrum360 Wipes Stations, devices, reception — not a whole room with one wipe.
<i>“Glass and mirrors always look marked.”</i>	Presentation issue, not a disinfectant issue	● CI Windowshine Professional ● CI CitraGuard Multi Surface
<i>“Art room and shop surfaces are sticky and stained.”</i>	Soil beyond the daily route	● CI Orange Power Escalate the room, not the whole building.
<i>“Gum under desks and marker on the lockers.”</i>	Vandalism response	● CI Spray n Freeze ● CI Vandasol Graffiti Remover Gel Pre-test surfaces and ventilate as the SDS directs.
<i>“Cafeteria tables get whatever bottle is closest.”</i>	Missing food-contact route	● CI OstroSan Quat ● CI Blast Kitchen Surface Clean, then sanitize.

Classroom and common-area symptoms. Washroom and floor symptoms continue overleaf.

Source: Chem International FacilitySpec™

Exhibit 20

Quick selector — start with the complaint · 2 of 2

IF THE SITE SAYS...	IT'S PROBABLY A...	START WITH...
<i>Washroom symptoms</i>		
<i>“Fixtures look dull or dirty by mid-day.”</i>	Daily chemistry not aligned to volume of use	● CI PowerShift ● CI ShipShape
<i>“Toilet rings and rust stains keep coming back.”</i>	Mineral and scale recovery, not daily cleaning	● CI Chemsol Mint ● CI Ren-O-Grout Planned and supervised — never on the daily cart.
<i>“Urinals smell again right after cleaning.”</i>	Odour issue is deeper than surface cleaning	● CI Wave 360 Urinal Screen ● CI EverClear Bio Enzyme Drain
<i>“Drain odour keeps coming back.”</i>	Routine drain maintenance is missing or too weak	● CI EverClear Bio Enzyme Drain ● CI PressureDrop Dose after the last bell.
<i>“The line is beyond routine maintenance.”</i>	Corrective drain event	● CI Thermachem Trained maintenance response only, label and SDS-driven.
<i>“The garbage room smells even when it is empty.”</i>	Source-zone odour, not a fragrance gap	● CI NeutraBac ● CI OdourSorb Granular ● CI FreshGel CitrusBurst
<i>“Soap and sanitizer programs are inconsistent site to site.”</i>	Hand-hygiene hardware / refill mismatch	● CI Foaming Hand Wash ● CI PCMX AntiBacterial Soap ● CI SaniHands IPA 70% Standardize dispensers first.
<i>Floor & seasonal symptoms</i>		
<i>“Hallways are cleaned every day but still look tired.”</i>	Appearance issue beyond daily maintenance	● CI NutraClean pH 7 Detergent ● CI Redemption XL Floor Restorer Review the neutral route, then rejuvenate before assessing a strip cycle.
<i>“Floors lose gloss too quickly.”</i>	Finish system under-maintained or breaking down	● CI Redemption XL Floor Restorer ● CI UltraShine X High Solids within a proper strip / seal / finish review.
<i>“Gym floor feels slick after cleaning.”</i>	Soap film on a sport surface	● CI HG Concentrate Synthetic Detergent Soap-free, per flooring manufacturer and SOP.
<i>“Entry carpet always looks dark.”</i>	Soft-surface reset is overdue	● CI Carpet Enzyme Pre Treatment ● CI Carpet Extraction Cleaning Solution ● CI Commander SoilGuard
<i>“Someone spilled juice on the library carpet.”</i>	Immediate spot response	● CI CSR Shoot Out Carpet Stain Remover Before it sets — do not extract the whole room.
<i>“White film comes back every morning in the vestibule.”</i>	Tracked salt treated as ordinary soil	● CI SaltBurn Salt Residue Stain Remover ● CI Chemelt Ice Melter Recover inside, control outside.
<i>“Ice control is inconsistent across entrances.”</i>	Winter program is reactive instead of planned	● CI Chemelt Ice Melter ● CI MeltDown Liquid Deicer ● CI FrostShield Liquid Snow & Ice-Control

Washroom and floor & seasonal symptoms. The corrective-drain and acid rows are supervised, not part of the daily route.

Source: Chem International FacilitySpec™

Exhibit 21

School scorecard

CATEGORY	WHAT TO CHECK	PASS STANDARD
SAFETY		
Chemical storage	Walk the custodial room and every cart	Acid bowl cleaner, disinfectant, drain, floor, and ice-control products in separate labelled lanes. Secondary bottles labelled.
Improvised products	Look in teacher desks and classroom cupboards	No non-program cleaners in classrooms. Wipes and platform bottles are the only chemistry outside the custodial room.
CLASSROOMS		
Touchpoints	Swab or visual on desks, door plates, switches	Reset every night on the platform. No sticky residue, no marker haze.
Glass & sightlines	Windows, partitions, mirrors in daylight	Streak-free. Cleaned on their own route with dedicated cloths.
Cafeteria	Table surface after lunch service	Cleaned, then sanitized with the food-contact product. Not the classroom disinfectant.
WASHROOMS		
Fixtures	Mid-day walk, not just morning	Clean bowls, no rings, chrome bright. Screens dated and within 60 days.
Odour	Stand at the door two hours after cleaning	No return odour. Drains on the dosing calendar and flowing.
Hand-hygiene stations	Every dispenser, every wing	Full, working, same format across the site. No empties.
FLOORS & SEASONAL		
Corridor gloss	Traffic lane vs. edge under the same light	Even gloss. Lanes rejuvenated before they dull, restoration dated and within schedule.
Gym floor	Footing test after cleaning	No soap film. Cleaned soap-free per the flooring SOP.
Carpet	Entry mats and library lanes	Dry by mid-morning. No dark lanes, no recurring spots.
Winter entries	Sidewalk, ramp, vestibule before first bell	Ice control applied on trigger at every door. No white salt film inside. Mats in place and dry.

Walk the building against the pass standard, not against yesterday's effort.

Source: Chem International FacilitySpec™

Exhibit 22

Good first questions for the site

? Where are the complaints coming from? Classrooms, washrooms, floors, or winter entries? Complaint type usually reveals the weak pillar.	? What is being improvised? Improvised wipe-downs, ad hoc drain response, or inconsistent ice control usually signal structural program gaps.	? What is the hardest area to keep looking good? That area identifies whether the problem is daily chemistry, restorative timing, or a labour mismatch.	? Where is the most visible risk? For some sites it is washroom odour. For others it is hallway appearance or winter slip exposure. Let that guide the rollout sequence.
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Four answers reveal the weak pillar, the improvisation, the labour mismatch, and the rollout sequence.

Source: Chem International FacilitySpec™

Exhibit 23

Starter rollout checklist

1 Confirm the building mix Map classrooms, offices, washrooms, cafeteria, gym, carpeted zones, and exterior exposure before finalizing the spec.	2 Standardize the core platforms Pick the disinfectant platform, washroom chemistry set, floor-care system, and hand-hygiene hardware first.	3 Separate routine from corrective in the SOP Drains, acid bowl work, floor restoration, and winter response are different tracks from the nightly route.
4 Set the chemical lanes Acid, disinfectant, drain, floor, and ice-control products on their own shelves. Secondary bottles labelled. Nothing improvised in classrooms.	5 Put the calendar on the wall Screen dates, drain dosing, lane rejuvenation, carpet cycles, and strip-seal-finish windows written down before the year starts.	6 Set a review rhythm Track odour complaints, floor appearance, hand-hygiene consistency, and seasonal slip-risk performance on a schedule.

Work the six items in order; standardize the core platforms before issuing any escalation chemistry.

Source: Chem International FacilitySpec™

Exhibit 24

Program warning lights

Teachers are improvising cleaners The classroom platform is not standardized. Lock down the disinfectant and wipe logic before adding more products.	Washroom odour returns quickly Likely drain condition, urine accumulation, fixture servicing, or urinal support. Fragrance alone is not odour control.	Hallways look tired after daily mopping That is a restoration-timing issue, not a daily-cleaner issue. Review rejuvenation and strip / seal / finish timing.
Entry carpets stay dark or wet The soft-surface and entrance program is under-built. Look at extraction timing, mats, winter carry-in, and dry-time planning.	Ice control varies by entrance The winter program is reactive. Standardize product choice, application points, and re-check rhythm before the next snow event.	Custodians can explain why each product exists That is usually the sign the program is actually working rather than just being stored in the supply room.

Five red lights and one green. Red-edged cards signal a program that has drifted; the teal-edged card is the sign it is working.

Source: Chem International FacilitySpec™

Need a site-specific school program?

FacilitySpec™ can be customized into a wall-chart deployment packet with zone maps, chemical-lane layouts, maintenance rhythms, and product assignments for your exact school or division.

Request a school program · info@chemintonline.com

Call 1-800-665-7287

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INTERNATIONAL

A division of Aliysha Enterprises Ltd.
10770 180 St NW,
Edmonton, AB T5S 2S4
info@chemintonline.com
chemintonline.com
ISO 9001:2015
CANUTEC emergency: 1-613-996-6666

1-800-665-7287

What a site-specific program includes

1

Pillar maps & zone layout

The three pillars mapped to your actual campus — classrooms, washrooms, corridors, gym, carpet, and exterior exposure.

2

Chemical-lane layout

Disinfectant, washroom, drain, floor, and ice-control products on separate labelled shelves, with the escalation path marked supervisor-only.

3

Maintenance rhythm & wall chart

Screen dates, drain dosing, lane rejuvenation, carpet cycles, and strip-seal-finish windows on one deployable calendar.

4

Product assignments

The daily route trained to every custodian, with dilutions and SOPs for your exact school or division.

Conclusion

The answer is not a stronger product. It is a program the whole custodial team runs the same way: three pillars with their own cabinets, a standardized classroom platform, a washroom route with the odour and drain work on schedule, a floor and seasonal plan that separates maintenance from restoration, and a rhythm set by the bell and the academic calendar. When custodians can explain why each product exists, the program is working.

Safety note: use this guide with current SDS, label directions, site procedures, school-division requirements, training, PPE, and applicable regulations. Never mix acid bowl cleaners with disinfectants, peroxide, bleach, or drain products. Product names follow the FacilitySpec™ source; linked names open the product page on chemintonline.com. CI Spectrum360 Wipes is shown without a catalogue link pending its WooCommerce listing.

*“Learning spaces first.
Chemistry second.”*

Product index

■ EVERY LINKED PRODUCT REFERENCED IN THIS GUIDE

Names as they appear in the Chem International catalogue. Every entry links to its product page on chemintonline.com; the colour dot marks its catalogue section.

CI Blast

● Food Service

CI Blast Kitchen Surface

● Food Service

CI Carpet Enzyme Pre Treatment

● Facility Maintenance

CI Carpet Enzyme Pre-Treat

● Facility Maintenance

CI Carpet Extraction

● Facility Maintenance

CI Carpet Extraction Cleaning Solution

● Facility Maintenance

CI Carpet Shampoo

● Facility Maintenance

CI Carpet Shampoo Cleaning Solution

● Facility Maintenance

CI Chemelt

● Facility Maintenance

CI Chemelt Ice Melter

● Facility Maintenance

CI Chemsol Mint

● Facility Maintenance

CI CitraGuard

● Commercial Sanitation

CI CitraGuard Multi Surface

● Commercial Sanitation

CI Commander SoilGuard

● Facility Maintenance

CI CSR Shoot Out

● Facility Maintenance

CI CSR Shoot Out Carpet Stain Remover

● Facility Maintenance

CI Dust Mop Treatment L

● Facility Maintenance

CI EverClear

● Commercial Sanitation

CI EverClear Bio Enzyme Drain

● Commercial Sanitation

CI Foaming Hand Wash

● Hand Cleaners

CI FreshGel CitrusBurst

● Commercial Sanitation

CI FrostShield

● Facility Maintenance

CI FrostShield Liquid Snow & Ice-Control

● Facility Maintenance

CI HG Concentrate

● Facility Maintenance

CI HG Concentrate Synthetic Detergent

● Facility Maintenance

CI HyperClean

● Commercial Sanitation

CI HyperClean Hydrogen Peroxide Surface Cleaner

● Commercial Sanitation

CI Lemon Tree

● Commercial Sanitation

CI MeltDown

● Facility Maintenance

CI MeltDown Liquid Deicer

● Facility Maintenance

CI NeutraBac

● Commercial Sanitation

CI NutraClean pH 7

● Facility Maintenance

CI NutraClean pH 7 Detergent

● Facility Maintenance

CI OdourSorb

● Commercial Sanitation

CI OdourSorb Granular

● Commercial Sanitation

CI Orange Power

● Commercial Sanitation

CI OstroSan Quat

● Commercial Sanitation

CI PCMX AntiBacterial Soap

● Hand Cleaners

CI PCMX Soap

● Hand Cleaners

CI PowerShift

● Facility Maintenance

CI PressureDrop

● Commercial Sanitation

CI Redemption XL

● Facility Maintenance

CI Redemption XL Floor Restorer

● Facility Maintenance

CI Ren-O-Grout

● Facility Maintenance

CI SaltBurn

● Facility Maintenance

CI SaltBurn Salt Residue Stain Remover

● Facility Maintenance

CI SaniHands IPA

● Hand Cleaners

CI SaniHands IPA 70%

● Hand Cleaners

CI ShipShape

● Facility Maintenance

CI Spray n Freeze

● Facility Maintenance

CI Thermachem

● Commercial Sanitation

CI UltraSealX

● Facility Maintenance

CI UltraSealX Floor Sealer

● Facility Maintenance

CI UltraShine X

● Facility Maintenance

CI UltraShine X High Solids

● Facility Maintenance

CI UltraStripX

● Facility Maintenance

CI Vandasol

● Facility Maintenance

CI Vandasol Graffiti Remover Gel

● Facility Maintenance

CI Wave 360

● Facility Maintenance

CI Wave 360 Urinal Screen

● Facility Maintenance

CI Windowshine

● Commercial Sanitation

CI Windowshine Professional

● Commercial Sanitation

Short forms used in map sheets and the cadence table (e.g. CI HyperClean, CI Windowshine, CI Chemsol Mint, CI Ren-O-Grout, CI Ultra X system, CI Chemelt) refer to the full catalogue names listed in the pillar cabinets. CI Spectrum360 Wipes is referenced without a catalogue link pending its WooCommerce listing. SDS and technical documents are available from Chem International on request and are never gated.



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Chem International is an Edmonton-based specialty chemical formulator and distributor serving institutional, municipal, and industrial customers across British Columbia, Alberta, and Saskatchewan since 1988.

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