

Manufactures Qualified Application Procedure (MQAP) in Accordance with CSA Z245.30 Field Applied External Coatings for Steel Pipeline Systems.

MQAP REVISION IDENTIFIER
MPC-PWTS1-3_V1.0

DATE
2025-02-05

SYSTEM FC7
Fibre-reinforced Petrolatum, paraffin-filled, or Visco-elastic

MANUFACTURER
Mountain Protective Coatings Inc.

STEP	PROCEDURE	
1-1	EQUIPMENT AND CONSUMABLES FOR COATING APPLICATION	Rubber or cloth gloves, putty knife, wire brush or power tool with wire wheel, scissors to cut tape.
1-2	APPROVED SOLVENTS AND CLEANING AGENTS FOR SURFACE PREPARATION	Included but not limited to: water, acetone, xylene, MEK.
1-3	SURFACE PREPARATION OF STEEL	STEP 1 Prepare surface by removing all non-adhering coating and loose contaminants in accordance with SSPC SP-2 Hand Tool Cleaning at a minimum. An SSPC SP-3 is also acceptable. STEP 2 Remove any loose contaminants created by hand tool cleaning in accordance with SSPC SP-1 Solvent Cleaning.
1-4	SURFACE PREPARATION OF ADJACENT ANTI-CORROSION COATINGS	Remove all non-adhered coating, all dirt and foreign matter via hand tool or power tool in accordance with SSPC SP-2 / SP-3. Any damaged coating shall be cut back until a clean, well-bonded edge of the existing parent coating has been obtained. Existing coatings can be abraded to enhance the tapes adhesion.
1-5	COMPATIBILITY WITH OTHER ANTI-CORROSION COATINGS	Compatible with all anti-corrosion coatings including but not limited to: Liquid epoxy, polyurethane and vinyl esters; FBE, Single and multilayer polyolefins, tapes and wraps and visco-elastic systems.
1-6	PREHEAT METHOD	No preheating required.
1-7	SUBSTRATE TEMPERATURE RANGE FOR APPLICATION	Minimum: -40C / -40F Maximum: 70C / 158F
1-8	AMBIENT CONDITIONS CONSIDERING DEWPOINT TEMPERATURE	Dewpoint temperature is not a consideration as product can be applied to dry, wet, coordinating (sweating) substrates or even underwater.



STEP	PROCEDURE	
1-9	COATING MIXING AND THINNING PROCEDURES	No mixing or thinning required.
1-10	COATING THICKNESS – OVERLAP RATIO	Minimum of 55% overlap.
1-11	COATING APPLICATION METHOD	STEP A Apply PEAK Priming Paste in a thin uniform film via brush, gloved hand or putty knife. Take steps to minimize uneven applications or buildups. Typically, a film build greater than 5 mils (125µm) but not more than 20mils (500µm) is recommended. STEP B PEAK Profiling Mastic is recommended for irregular shapes such as valves, fittings and bolts. Apply PEAK LT Profiling Mastic via gloved hand to fill in all voids, cervices and open areas. Once completed all bolts heads, flange angels should be smooth and suitable for tape wrapping. STEP C Begin wrapping a minimum of 50mm (2”) on the existing parent coating with the roll starting on the downward side of the pipe starting at the 2-5 O’clock position. Complete 2 full wraps around the pipe to ensure a double band and be taut against the pipe. Continue wrapping PEAK LT Petrolatum Wax Tape spiraling around the prepared surface using even tension with a minimum 55% overlap to ensure a 2-ply layer of tape around the circumference of the pipe. Finish the wrapping procedure with a double wrap at a minimum of 50mm (2”) onto the parent coating. Cut the tape from the remaining roll on the downward side at approximately 2-5 O’clock position. STEP D While wrapping press any air pockets out and smooth all lap seams to ensure a complete seal and to remove all wrinkles. STEP E Where soil stresses or mechanical damage is anticipated apply PEAK Outerwrap using the same application process overlapping the PEAK Petrolatum Wax Tape a further 50mm (2”) on the existing parent coating to fully encapsulate the tape using a 55% overlap - which is outlined in detail in the PEAK Outerwrap MQAP.



STEP	PROCEDURE	
1-12	COATING CURE SCHEDULE	Not applicable – PEAK Priming Paste, PEAK LT Petrolatum Tape, and Peak Profiling Mastic do not require curing or drying.
1-13	RECOAT AND REPAIR METHOD	Remove any loose or damaged tape. Wrap repair areas so tape overlaps a minimum of 50mm (2") onto the original coating utilizing application procedure in section 11. Note: If the metal substrate is not exposed there is no need to re-apply PEAK Priming Paste.
1-14	TIME TO BACKFILL	Immediate backfilling of PEAK Petrolatum Wax Tape is permissible. If outerwrap is utilized follow the curing schedule outline in the PEAK Outerwrap MQAP.
1-15	HANDLING AND STORAGE REQUIREMENTS FOR COATING MATERIALS	Store product in its original packaging below 50C / 122F. Do not use a Petrolatum Wax Tape container that has been damaged or exposed to contaminants.
1-16	HOLIDAY TESTING	Typically not required, however can be performed as directed by the owners specification for a CSA System FC7.
1-17	EXPIRATION DATE	8 years from manufacture date.

