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BULLETIN

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EPS Insulation in an IKO Roof System

According to CAN/ULC S701, the standard governing the manufacture of Expanded Polystyrene Insulation, (EPS), the recommended in-service temperature intended to include EPS shall be between -54°C to 75°C. It is not advisable to subject EPS to conditions where the temperatures fall outside this range as EPS can become dimensionally unstable as temperatures rise beyond 75°C. Commercial roofs in Canada during the summer months can reach these temperatures through a combination of solar gain and ambient air temperatures. EPS located directly below the membrane or beneath overlay boards of insufficient thermal resistivity will allow transfer of heat to the insulation and potentially expose insulation to go above the 75°C threshold. For this reason, IKO Technical Services Department requires that EPS used in all commercial roofing systems, where the conditions described here exist, be protected from elevated temperatures by being covered continuously with no less than 2 inch, (50mm) thick IKOTherm™ insulation. Where tapered insulation is used the IKOTherm flat board stock shall be located directly above the tapered EPS. This requirement is mandatory for all IKO roofing systems requiring coverage by an IKO Commercial Limited Warranty of any duration.

Please note that EPS insulation is not eligible for use in any IKO Commercial DiamondShield Limited Warranties for InnoviTPO Roofing Systems.

For further information on this bulletin please contact IKO Technical Services Department.

Thank you for considering IKO premium Roofing Products. For additional information about IKO's full line of superior commercial/industrial roofing, waterproofing and insulation products, please call **1-888-766-2468** or visit our website at **IKO.COM/COMM**.