Some classes of stochastic evolution equations

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We study parabolic stochastic partial differential equations (SPDEs), driven by two types of operators: one linear closed operator generating a C_0-semigroup and one linear bounded operator with Wick-type multiplication, all of them set in the infinite dimensional space framework of white noise analysis. We prove existence and uniqueness of solutions for this class of SPDEs. In particular, we also treat the stationary case when the time-derivative is equal to zero.