



GEELONG GALVANIZING

PAINT • DUPLEX

CORROSIVITY ENVIRONMENT - A QUICK GUIDE

<p>Are you within a subtropical or tropical zone (very high time of wetness) with an atmospheric environment consisting of very high pollution ($\text{SO}_2 > 250 \mu\text{g}/\text{m}^3$) including accompanying & production factors &/or strong effect of chlorides (e.g. extreme industrial areas, ocean & offshore areas, occasional contact with salt spray)?</p> <p>Are you in a space with almost permanent condensation or extensive periods of exposure to extreme humidity effects &/or with high pollution from production process, e.g. unventilated sheds in humid tropical zones with penetration of outdoor pollution including airborne chlorides & corrosion-stimulating particulate matter?</p>	<p>Yes →</p>	<p>Extreme Corrosivity CX</p>
<p>↓ No</p>		
<p>Are you within a temperate or subtropical zone with an atmospheric environment consisting of very high pollution ($90 \mu\text{g}/\text{m}^3 < \text{SO}_2 \leq 250 \mu\text{g}/\text{m}^3$) &/or significant effect of chlorides, e.g. industrial areas, jetties & other offshore structures, within a few hundred metres of the ocean & sheltered positions on the coastline?</p> <p>Are you in a space with very high frequency of condensation &/or with high pollution from production process, e.g. mines, caverns for industrial purposes, unventilated sheds in subtropical & tropical zones?</p>	<p>Yes →</p>	<p>Very High Corrosivity C5</p>
<p>↓ No</p>		
<p>Are you in a temperate zone with an atmospheric environment consisting of high pollution ($30 \mu\text{g}/\text{m}^3 < \text{SO}_2 \leq 90 \mu\text{g}/\text{m}^3$) or substantial effect of chlorides, e.g. less than two kilometres from polluted urban areas, industrial areas or between a few hundred metres & a kilometre of the ocean or within one hundred metres of sheltered coastal areas without spray of salt water?</p> <p>Are you in a subtropical or tropical zone with an atmosphere with medium pollution?</p> <p>Are you in a space with high frequency of condensation & high pollution from a production process, e.g. industrial processing plants, swimming pools?</p>	<p>Yes →</p>	<p>High Corrosivity C4</p>
<p>↓ No</p>		

<p>Are you in a temperate zone with an atmospheric environment with medium pollution ($5 \mu\text{g}/\text{m}^3 < \text{SO}_2 \leq 30 \mu\text{g}/\text{m}^3$) or some effect of chlorides, e.g. urban areas, between a kilometre & twenty to fifty kilometres (depending on winds & topography) from the ocean, or within one hundred metres of sheltered coastal areas with low deposition of chlorides?</p> <p>Are you in a subtropical or tropical zone with an atmosphere with low pollution?</p> <p>Are you in a space with moderate frequency of condensation & moderate pollution from production process, e.g. food-processing plants, laundries, breweries, dairies?</p>	<p>Yes →</p>	<p>Medium Corrosivity C3</p>
<p>↓ No</p>		
<p>Are you in a temperate zone with an atmospheric environment with low pollution ($\text{SO}_2 < 5 \mu\text{g}/\text{m}^3$), e.g. rural areas, small towns?</p> <p>Are you in a dry zone with an atmospheric environment with short time of wetness, e.g. desert areas?</p> <p>Are you in an unheated & un-air-conditioned space with varying temperature & relative humidity with low frequency of condensation & low pollution, e.g. storage rooms or buildings, sport halls?</p>	<p>Yes →</p>	<p>Low Corrosivity C2</p>
<p>↓ No</p>		
<p>Are you in a dry zone with an atmospheric environment with very low pollution & time of wetness, e.g. certain deserts?</p> <p>Are you in a dry, continually heated or air-conditioned space with low relative humidity & insignificant pollution, e.g. offices, schools, museums?</p>	<p>Yes →</p>	<p>Very Low Corrosivity C1</p>