TECHNICAL BULLETIN

1.0 Durability and Climatic Zones



Introduction

In general, the maximum durability for our products is ensured for vertical outdoor exposure only. We define a deviant application >=10° as a horizontal application. General information regarding the basis of evaluating the maximal durability can be found in our data sheets which are based only on the condition that vertical application in a moderate climate is undertaken.

Influencing Variables

In addition to horizontal/vertical application, also different climates can have a significant influence. Due to the additional influences like mechanical abrasion, chemical influences, altitude etc. it is not possible to transfer the maximum durability on each product. Consequently no warranty claims can be derived from the above information.

Applicability

The specification is valid for products suitable for vertical and horizontal application only. For products recommended for vertical use only, the vertical durability applies only to vertical uses and a horizontal durability is not applicable.

Special Locations	
High elevations	In mountain areas UV damage is increased over exposures at sea level. This is due to the air being thinner, and therefore damage from UV radiation increases significantly.
Congested urban or industrial areas	Due to increased smog, pollutants, and particulates in the atmosphere in congested urban and industrial areas horizontal applications have reduced durability expectations. The horizontal application traps the chemicals on the surface of the material, increasing the impact of UV exposure and reducing durability.

Durability in years							
Climatic Zone 1 (moderate)		Climatic Zone 2 (humid / warm)		Climatic Zone 3 (dry / hot)			
vertical	horizontal	vertical	horizontal	vertical	horizontal		
12	6	10	5	8	4		
11	5,5	9	4,5	7	3,5		
10	5	8	4	6	3		
9	4,5	7	3,5	5	2,5		
8	4	6	3	4	2		
7	3,5	5	2,5	3	1,5		
6	3	4	2	2	1		
5	2,5	3	1,5	1,5	0,75		
4	2	2	1	1	0,5		
3	1,5	1	0,5	0,5	0,25		
2	1	-	_	-	-		
1	0,5	-	-	-	-		

Version: 2023/2

Page 1 von 3

EUR PAPIER
VISUAL COMMUNICATION

TECHNICAL BULLETIN

1.0 Durability and Climatic Zones



Climatic Zanas Caustu	ov Overview			
Climatic Zones – Countr Climatic Zone 1	ry Overview	Climatia 7ana 2		Climatia Zana Z
		Climatic Zone 2		Climatic Zone 3
(moderate)	A Calanatakan	(tropical	т	(subtropical)
	Afghanistan	Japan	Togo	All sites over
	Angola Armenia	Kazakhstan	Trinidad & Tobago	1000 m above
I I	Armenia Australia**	Kenya	Turkey	sea level
		Korea (South)	Turkmenistan	Algoria
	Azerbaijan	Kyrgyzstan	Uganda	Algeria
	Bahamas	Laos	Uruguay Uzbekistan	A
	Bangladesh Barbados	Lesotho	Venezuela	Australia** –
. 5	Belize	Liberia	Venezuela Vietnam	Above a line 100 km north of
	Benin	Madagascar Malawi	Zambia	Perth/Brisbane
0=000				Pertn/Brisbane
	Bhutan	Malaysia	Zimbabwe	A
	Bolivia	Maldives	Arizona*	Australia** –
	Botswana	Mali	California*	Desert areas
1	Brazil	Malta		Bahrain
	Burkina Faso Burundi	Mauritania Mauritius	Florida (Southern)* Nevada*	Chad
- · · · J ·				
,	Cambodia	Micronesia	New Mexico* Texas*	Egypt Eritrea
3 3	Cameroon	Mozambique	Utah*	
1001011101	Cape Verde	Myanmar (Burma)	Otan.	Ethiopia
	Caribbean Isles Central African	Namibia	*Eventions	Iraq Israel
,		Nepal New Zealand	*Exceptions classified in Zone 3	Jordan
	Rep. Chile		Classified in Zone 3	Kuwait
		Nicaragua		
	China Colombia	Niger		Lebanon
	Congo	Nigeria Pakistan		Libya Mexico
9	Costa Rica	Panama		Morocco
	Cote d'Ivoire	Papua New Guinea		Oman
	Cyprus	Paraguay		Qatar
	Dominica	Peru		Saudi Arabia
	Dominican	Philippines		Somalia
· ·	Republic	Portugal		Tunisia
-	East Timor	Puerto Rico		United Arab
	El Salvador	Rwanda		Emirates
	Equatorial Guinea	Samoa		Yemen
	Fiji	San Marino		remen
	Gabon	Sao Tome &		
	Gambia	Principe		
	Ghana	Senegal		
	Greece	Sierra Leone		
	Grenada	Singapore		
	Guatemala	South Africa		
	Guinea	Spain		
	Guinea-Bissau	Sri Lanka		
	Guyana	Suriname		
_	Haiti	Swaziland		
	Honduras	Taiwan		
,	India	Tajikistan		
	Indonesia	Tanzania		
		_	i e e e e e e e e e e e e e e e e e e e	i e e e e e e e e e e e e e e e e e e e

www.europapier.com Version: 2023/2
Page 2 von 3



TECHNICAL BULLETIN

1.0 Durability and Climatic Zones



Important Notice

Information on physical and chemical characteristics is based upon tests, practical knowledge and experience. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Because of the variety of uses and applications, the purchasers should independently determine, prior to use, the suitability of this material to their specific use and carefully consider the suitability and performance of the product. The purchaser shall assume all risks for any use and application of the material. All specifications and technical data are subject to change without prior notice, errors and omissions expected. All warranty matters are regulated by our general terms and conditions.

