



**MADE IN  
GERMANY.**

# AQUALUC – MATERIAL TEST OVERVIEW

## OUTDOOR RESISTANCE

TEST	REFERRING METHOD	TEST CONDITIONS	RESULT
Florida Test	SAE J 1976	direct inland, 45° south	good (after 2 years)
Arizona Test	SAE J 1976	direct weathering, 45° south	good (after 2 years)
Xenon WOM	SAE J1960-89 2000 h	65°C - Cycle 102min UV+18min. UV/waterspray	no color change, minimal gloss change
Weatherometer QUV-B	SAE J 2020	1000h (8h UV 60°C - 4h cond. 50°C)	no yellowing, minimal gloss change
Weatherometer QUV-A	SAE J 2020	3000h (8h UV 60°C - 4h cond. 50°C)	no yellowing, minimal gloss change

## WATER AND CHEMICAL RESISTANCE

TEST	REFERRING METHOD	TEST CONDITIONS	RESULT
Fuel resistance	G.M.6073	immersion	no gloss change / no degradation
Acid resistance	MS-CG121	Spot Test 0,5-10% conc.	no gloss change / no degradation
Solvent resistance	GM 6121 M	various types of used chemicals	no gloss change / no degradation
Water immersion	WSK-M3G178	240h @ 45°C	no gloss change / no degradation
Salt spray resistance	ASTM B117-95	2000h @ 38°C 5%NaCl	no gloss change / no degradation
Humidity resistance	MS-CG121	250h @ 40°C 100% rel. humidity	no gloss change / no degradation
Environmental cycle	G.M.6073	Three Cycles	no gloss change / no degradation

## HEAT RESISTANCE

TEST	REFERRING METHOD	TEST CONDITIONS	RESULT
Heat resistance	MS-CG121	250h @ 80°C	no gloss change / no degradation
High temperature resistance	G.M.6073	60 min. @ 93°C	no gloss change / no degradation
Thermal shock	ESK-M99P16- A:3.5.5	16h @ -40°C + water @ 70°C/10cycles	no gloss change / no degradation

## ABRASION RESISTANCE

TEST	REFERRING METHOD	TEST CONDITIONS	RESULT
Stone chip resistance	SAE J400:85	0,47L of 250-300 graded gravel fired @ sample @ 480kPa in 5-10s	chipping rating 10 - no chipping to substrate

## ELECTRICAL PROPERTIES

TEST	REFERRING METHOD	TEST CONDITIONS	RESULT
Surface resistivity	ASTM D257	500V - spec. thickness 2mm	2 x 10 E15 Ohm
Volume resistivity	ASTM D257	500V - spec. thickness 2mm	1 x 10 E15 Ohm cm