

Weldon® Adhesives For Bonding Plastic Substrates.

Manufactured using the latest bonding technology, the Weldon® range of products, cover the vast adhesion needs of today's plastic markets. The following tables provide a detailed list of recommended adhesive types and general application guidelines.

	ABS	Acrylic Cell Cast	Acrylic Cont. Cast	Acrylic Extruded	Metal	PETG PETG	Polycarb GP & SL	PVC Rigid	PVC Foam	Styrene	Wood
ABS	2354	40 & 1802	40	40 & 1802	10	40	40	10 & 4052	10	10 & 1802	10
Acrylic Cell Cast	40 & 1802	40 & 16	40	40	10	40	40 & 16	40 & 4052	40 & 4052	16 & 4052	40
Acrylic Cont. Cast	40	40	40	40	10	40	40 & 16	40 & 4052	40 & 4052	4052 & 16	40 & 10
Acrylic Extruded	40 & 1802	40	40	40	10	40	40 & 16	40 & 4052	40 & 4352	4052 & 16	40 & 10
Metal	10	10	10	10	10	N/A	10	10	10	10	10
PETG PETG	40	40	40	40	40	7	40	40	40	40	40
Polycarb GP & SL	40	40 & 16	40	40 & 16	10	40	4 & 16	40 & 4052	40 & 4052	40 & 4052	40 & 10
PVC - Rigid	10 & 4052	40 & 4052	40 & 10	40 & 4052	10	40	40 & 4052	10 & 4052	10 & 4052	40 & 4052	10
PVC - Foamed	10	40 & 4052	40 & 10	40 & 4052	10	40	40 & 4052	10 & 4052	10	40 & 4052	10
Styrene	10 & 1852	16 & 4052	40 & 10	16 & 4052	10	40	40 & 4052	10 & 4052	10	40 & 4052	10
Wood	10	40	40 & 10	40	10	40	40 & 10	10	10	40 & 10	10

Adhesive Type	General Description	Other Bonding Options	Curing Times
Weldon® 3	A very fast, clear, water thin, non flammable, high strength solvent type acrylic cement. The bond is affected by softening the surfaces to be joined and fusing them together.	Bonds styrene and polycarb.	<ul style="list-style-type: none"> Initial bond strength is formed in minutes High strength can be achieved within 24 - 48 hrs
Weldon® 7	A fast, clear, water thin, high solvent type adhesive for PETG. The bond is affected by softening the surfaces to be joined and fusing them together.	N/A	<ul style="list-style-type: none"> Initial bond strength is formed in minutes High strength can be achieved within 24 - 48 hrs
Weldon® 10	A 2 part syrupy high strength, structural adhesive for the adhesion of various plastics to themselves and metal, aluminium and concrete. Upon curing it is white in colour.	Bonds PVC, ABS, styrene, polycarb.	<ul style="list-style-type: none"> High strength can be achieved within 24 - 48 hrs
Weldon® 16	A very high strength, syrupy, clear, fast curing bodied solvent type acrylic cement.	Bonds styrene and polycarb.	<ul style="list-style-type: none"> Initial bond strength is formed in minutes High strength can be achieved within hours.
Weldon® 40	A 2 component , medium syrupy, clear reactive acrylic cement. Ideal for structural bonding where good clarity retention is required.	Bonds acrylic to PVC, styrene, wood	<ul style="list-style-type: none"> Cured for light handling within 4 hours. Maximum strength - cure for 4 hours at 70°
Weldon® 1802	A clear, medium set solvent cement of thin syrupy consistency. It cures with the dissipation of solvents forming strong water resistant clear joints.	Bonds acrylic, PVC, styrene and ABS	<ul style="list-style-type: none"> Bond strength will be considerable within 2 hours High strength within 48 hours
Weldon® 2354	A clear, water thin, fast drying solvent cement for bonding ABS, styrene and acrylics to themselves.	Do not bond dissimilar products	<ul style="list-style-type: none"> Initial bond forms within a few minutes. High strength can be achieved within 48 hours.

NB: Not all Weldon® grades are carried in all branches, please contact your closet branch to find out their product range.

The information detailed in this Data Sheet, is provided in good faith and should only be used as a general guide. For further information on various processes and technical properties, contact your local Mulford Plastics branch .