



# Dura-Walk® Accelerator

## PRODUCT INFORMATION

### DESCRIPTION

Dura-Walk Accelerator is a low viscosity, liquid designed to accelerate the polymerization when applying Dura-Walk PUMA resins.

### USAGE

Dura-Walk Accelerator is used as an accelerator when a thorough thermoset cure cannot be achieved alone by the addition of the recommended amount of Dura-Walk Catalyst to the Dura-Walk PUMA resins, or if curing takes too long because of very low temperatures, i.e. less than 0°C. The use of Dura-Walk Accelerator does not cause any loss in cure or quality of the Dura-Walk coatings. It only ensures the polymerization process is accelerated.

### CONSUMPTION

0.5 - 3.0 % by weight of resin

### PACKAGING

5 kg metal pails

### TECHNICAL CHARACTERISTICS (LIQUID STATE)

Density at 25°C:	1.00 g/cm <sup>3</sup>	ISO 2811
Viscosity at 25°C:	4.7 mPa * s	DIN 53018
Flash point:	+ 11.5°C	DIN 71758
Melting point/range:	+ 20°C	

### USAGE GUIDELINES

#### APPLICATION

The Dura-Walk Accelerator is mixed together with the Dura-Walk reactive resins when the ambient temperature is below 0°C in order to achieve full thermoset cure of the mixture within a satisfactory time period. Before mixing, it is important to ensure that the temperatures of the resin and the sand are not below 10°C.

This means that they must be stored before mixing away from the area in which they will be applied. For safety reasons it is essential that Dura-Walk Accelerator never comes into direct contact with the Dura-Walk Catalyst. Therefore, Dura-Walk Accelerator is added and stirred into the Dura-Walk reactive resin prior to adding the Dura-Walk Catalyst and fillers. The quantity of the Dura-Walk Accelerator added depends on the relevant type of resin, the filler, the filling ratio and, of course, the ambient temperature during application. The required quantity of Dura-Walk Accelerator is measured using a dosing syringe or a measuring cylinder. The following tables indicate some examples for the dosing of Dura-Walk Accelerator and the Dura-Walk Catalyst:

#### 1. Quantities for 5 litre preparations of Dura-Walk primers:

Temp.°C:	Catalyst % by weight	Catalyst (ml)	Accelerator % by weight	Accelerator (ml)
0°	6	471	0.7	35
-10°	6	471	1.4	70

#### 2. Quantities for 5 litre preparations of Dura-Walk membrane (all systems):

Temp.°C:	Catalyst % by weight	Catalyst (ml)	Accelerator % by weight	Accelerator (ml)
0°	5	393	0	0
-10°	5	393	0.7	35

#### 3. Quantities for 5 litre preparations of Dura-Walk Topcoat & Sealcoat:

Temp.°C:	Catalyst % by weight	Catalyst (ml)	Accelerator % by weight	Accelerator (ml)
0°	5	393	0	0
-10°	5	393	0.7	35

Depending on sealer, thickness and ambient conditions the addition of Dura-Walk Accelerator might cause a yellow discolouration. For clear sealers on light coloured coatings, we recommend small application trials with different amounts of Dura-Walk Accelerator and Dura-Walk Catalyst, to find out the optimal balance between proper curing and colour fastness.

### STORAGE

Store in a cool dry place and in original packaging. Optimal storage temperature is between 15 - 20°C. At lower temperatures Dura-Walk Accelerator might crystallize in the packaging. This is a physical process which means no loss of quality. If necessary the product can be re-liquefied by warming up, for example in a water bath. Please refer to our Safety Data Sheets and observe the instructions for fire prevention when warming or heating up.

### HEALTH AND SAFETY PRECAUTIONS

Please refer to the Safety Data Sheets for the products used.