

# Technical Data Sheet.

## Permacron® MS Express Hardener new

**3333 - new**

**3344 fast - new**

**3355 extra fast - new**

### **Application**

Permacron®MS Express Hardeners new are polyisocyanate hardeners for two-pack products from our "2K-Acryl-System".

### **Data**

They are highly reactive, easy to use and accelerate the completion of the drying process for  
Permacron®Automotive Top Coat Series 257  
Permacron®/Permasolid®2K acrylic surfacer  
Permacron®2K clear coat

### **Storage**

Having three versions means that all painting conditions can be optimally catered for and highly reliable application is guaranteed.

**For professional use only!**



# Application



**Possible base materials:**

Permacron®Automotive Top Coat Series 257  
 Permacron®Daylight Fluorescent Paint 8568  
 Permacron®/Permasolid®2K acrylic surfacer  
 Permacron®2K clear coat

**Fields of application:**

- 1. Permacron®MS Express Hardener 3333 - new**  
 Suitable for all full and partial refinishes, even at high temperatures.
- 2. Permacron®MS Express Hardener 3344 fast - new**  
 Suitable for full and partial refinishes at normal temperatures.
- 3. Permacron®MS Express Hardener 3355 extra fast - new**  
 Suitable for partial refinishes at low temperatures and low volumes of outgoing air in the spray booth.

**Mixing ratio:**



See Technical Data Sheet of the respective base materials.

Selection of hardeners	MS Express Hardener 3333 new	MS Express Hardener 3344 fast new	MS Express Hardener 3355 extra fast new
Full or partial refinish (large objects)	++	+	--
Partial refinish (spot repairs)	+	++	++
High temperature above +25°C	++	-	--
Normal temperature +20°C to +25°C	++	++	-
Low temperature +15°C to +20°C	-	+	++
Low baking	++	++	+
Air drying	+	++	++
Permacron®MS Dura plus 8580	+	+	+
Permacron®Reducer 3363/3364	+	+	+

++ ideal

+ suitable

- not particularly suitable

-- unsuitable

## Data



	<b>MS Express Hardener 3333 new</b>	<b>MS Express Hardener 3344 fast new</b>	<b>MS Express Hardener 3355 extra fast new</b>
<b>Specific weight:</b>	approx. 0.98 g/cm <sup>3</sup>	approx. 0.97 g/cm <sup>3</sup>	approx. 0.98 g/cm <sup>3</sup>
<b>Flash point:</b>	above +23°C	above +23°C	above +23°C
<b>VOC value:</b>	589 g/l	584 g/l	585 g/l

## Storage



**Guaranteed shelf life:** 6 months in sealed original containers

**Storage conditions:**



Do not store in damp conditions.



After use, replace container lid immediately, ensuring an airtight seal.

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