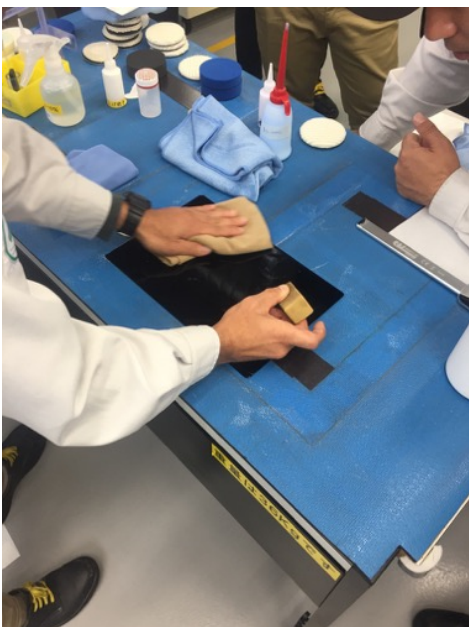
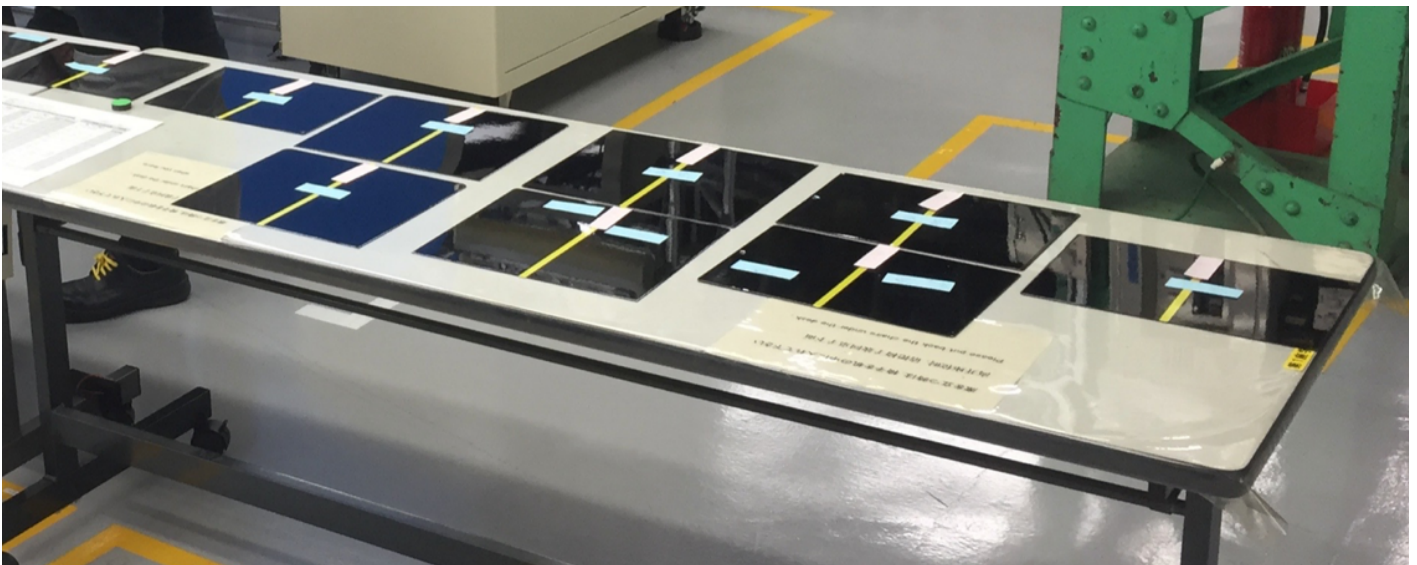


Reminder regarding the meeting and the condition test

The Gekatex team was invited by Mr Murata Project Manager Material Engineering in Motomachi Plant for a test of the Gekatex polishing range. The main goal of the meeting was to present the Gekatex solutions to upgrade the quality and the time efficiency of the spot repair in the Toyota group.

For the test Toyota prepared 10 different paint coating which are used in Toyota in order to test our products on the biggest number of coating type.



In order to have the most effective test:

We had a Toyota polishing station with the standard Toyota equipment.

Tests were made by a trained member of the Toyota team.

All the Toyota quality inspection were used to evaluate the quality of our polishing.

Polishing with the Toyota system

Manual sanding P3000 block semi wet + 3M trizact A5



Wiping with microfiber cloth blue colour



Polishing step 1 : 3M ultrafine polishing liquid + Short hair natural wool 76MM 13 seconds with rotative machine



Polishing time 13 seconds



Micro-scratches and polishing hologram



Polishing step 2 : 3M extrafine polishing liquid + Waffled designed foam pad blue colour 76MM 13 seconds with roto orbital machine



Polishing time 13 seconds



Cleaning with brown colour wet microfiber cloth
Cleaning with blue colour dry microfiber cloth



step 3 : 3M glazing liquid blue colour ref 5993 with blue 3M waffled foam pad 76MM and roto orbital machine.



Polishing time 10 seconds



Hologram on black dark colors



Cleaning with brown colour wet microfiber cloth
Cleaning with blue colour dry microfiber cloth

Polishing test N°1

Trial on a 1K clear coat dark blue color

Manual sanding P3000 block semi wet



Polishing step 1 : Gekatex PO203 polishing liquid
+ Coolpad 76 BS short hair wool & microfiber pad
80MM 13 seconds with roto orbital machine



Polishing time 13 seconds



Polishing step 2 : Gekatex PO106FA polishing
liquid + Black soft foam pad ref DLM7625TD 8
seconds with roto orbital



Polishing time 10 seconds



Cleaning with brown colour wet microfiber cloth



Wiping with Minatex 380 blue Gekatex microfiber cloth



Global polishing time 23 seconds



**Sanding marks : OK
Haze/ Cloud : OK**

Polishing test N°2

Trial on a Nippon paint 2100 2K clearcoat black color

Manual sanding P3000 block semi wet



Polishing step 1 : Gekatex PO203 polishing liquid
+ Coolpad 76 BS short hair wool & microfiber pad
80MM 13 seconds with roto orbital machine



Polishing time 13 seconds



Polishing step 2 : Gekatex PO106FA polishing
liquid + Black soft foam pad ref DLM7625TD 8
seconds with roto orbital machine



Polishing time 8 seconds



Cleaning with brown color wet microfiber cloth



Wiping with Minatex 380 blue Gekatex microfiber cloth.



Polishing marks



Global polishing time 21 seconds



**Sanding marks : OK
Haze/ Cloud : OK**

Polishing test N°3

Trial on a BASF I gloss 2K clearcoat black color

Manual sanding P3000 block semi wet
impregnation with Plemix plastic dispenser
Gekatex



Polishing step 1 : Gekatex PO203 polishing liquid
+ Blue medium cut foam pad 76MM 8 seconds
with roto orbital machine



Polishing time 8 seconds



Polishing step 2 : Gekatex PO106FA polishing
liquid + Black soft foam pad ref DLM7625TD 8
seconds with roto orbital machine



Polishing and abrasion marks



Polishing time 8 seconds



Cleaning with brown color wet



Wiping with Minatex 380 blue Gekatex microfiber cloth.



Global polishing time 21 seconds



**Sanding marks : OK
Haze/ Cloud : OK**

Polishing test N°4

Trial on a BASF I gloss 2K clearcoat black color

Manual sanding P3000 bloc semi wet
impregnation with Plemix plastic dispenser
Gekatex



Polishing step 1 : Gekatex PO203 polishing liquid
+ high density white foam pad ref DLM801575ST
foam pad 76MM 8 seconds with rotative machine



Polishing time 8 seconds



Abrasion marks



Polishing step 2 : Gekatex PO106FA polishing liquid +
Black soft foam pad ref DLM7625TD 8 seconds with
roto orbital machine



Polishing time 8 seconds



Abrasion marks



Cleaning with brown color wet



Wiping with Minatex 380 blue Gekatex microfiber cloth.



Polishing time 16 seconds



**Sanding marks : NOK
Haze/ Cloud : OK**

Polishing test N°5

Trial on a BASF I gloss 2K clearcoat black color

Manual sanding P3000 Microdelta pink colour
Gekatex semi wet impregnation with Plemix
plastic dispenser Gekatex



Polishing step 1 : Gekatex PO203 polishing liquid
+ Coolpad 76 BS short hair wool & microfiber pad
10 seconds with roto orbital machine



Polishing time 10 seconds

Good result of the Gekatex abrasive



Polishing step 2 : Gekatex PO106FA polishing
liquid + Black soft foam pad ref DLM7625TD 8
seconds with roto orbital machine



Polishing marks



Polishing time 8 seconds



Cleaning with brown color wet microfiber cloth



Wiping with Minatex 380 blue Gekatex microfiber cloth.



Global polishing time 18 seconds



Sanding marks : OK
Haze/ Cloud : OK

Conclusion

With this first approach we need to remain very humble, as these trials should be extended and repeated on fresh painted parts. However we can note a few important points :

1. Both on 1K and 2K clearcoats Gekatex can propose a solution which does not leave sanding marks neither polishing marks, haze or white cloud.
2. The existing tools and Toyota process is compatible with Gekatex polishing proposals.
3. The combination between 3M sanding products and Gekatex polishing solutions is also compatible
4. From a timing point of view Gekatex 2 steps solutions is offering a spot repair within an average of 18 seconds to be compared to the 26 seconds and sometimes 36 seconds with the third step blue glazing product. This 30% minimum time saving needs also to be considered as a huge economical saving and an important source of productivity.
5. The quick viscosity test is showing a benefit with Gekatex polishing liquid as the product is potentially splashing less on the surface which reduces the wiping effort (surface and time) after polishing and a reduction of volumes used also.
6. The shine / effect or glaze is measurable and for the next trials this would be an important point to be evaluated.

We would like to thank the Toyota Motomachi team for their kindness, involvement and interest during the trial.

Annex documents: Products references



Coolpad 76 BS short hair wool & microfiber pad.
Special lambswool pad with a 3D system for a better pillow effect during the polishing.
Special lambswool/Microfiber polishing side in order to give a perfect cut/shine.



DLM7625TD Black soft foam.
This soft foam is perfect for the hologram removal



Blue medium cut foam pad 76MM



High density white foam pad ref DLM801575ST foam pad



Gekotex PO203 polishing liquid.
Compound for first step polishing



Gekatex PO106FA polishing liquid.
Hologram remover compound



Wiping with Minatex 380 blue Gekatex microfiber



RBL Inspection lamp
Check the color matching and holograms.



Micro-abrasive product P3000



Plemix Moistener.
Perfect tool for wet sanding.

Annex documents: Important pictures

Compound density test on a wall.



Our compound is on right side, our density/viscosity is higher than the 3M compound. It permits to concentrate the action of the compound on the spot that we are repairing. It permits also to reduce the splash effect.

RBL Inspection light used after each spot repair

